

DEPARTMENT OF THE ARMY
ARMY NATIONAL GUARD MANEUVER TRAINING CENTER
FORT PICKETT
BLACKSTONE, VIRGINIA 23824-9000

Training

FORT PICKETT RANGE REGULATION
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CHAPTER ONE – GENERAL

1-1 PURPOSE

To provide instructions and establish procedures to be followed by any organization using training facilities or training areas at Fort Pickett, Virginia. Commanders and personnel of all National Guard and Reserve Force units, Active components, and other governmental agencies will follow these procedures. Personnel at Fort Pickett are subject to the Uniform Code of Military Justice (UCMJ), Federal, State, and local law. Those who fail to comply with this regulation are subject to punishment under UCMJ as well as other adverse action authorized by applicable United States Code sections or federal and/or state regulations. This regulation is applicable to all units and agencies at Fort Pickett and all off-post units using the Army National Guard Maneuver Training Center Fort Pickett. This directive is also applicable to all individuals, military or nonmilitary, engaged in the activities on Fort Pickett described in the remaining paragraphs of this regulation. Personnel in charge of training must read, understand and comply with this regulation. This regulation prescribes local procedures for safe training and should be used in conjunction with AR 385-63, Policies and Procedures for Firing Ammunition for Training, Target Practice and Combat, to ensure all safety requirements are met.

1-2 RESPONSIBILITIES

- a. Director of Plans, Training and Security (DPTS): The DPTS is responsible for all aspects of training at Fort Pickett. Only the DPTS or his authorized representative will approve or disapprove exceptions to policy established by this regulation.
- b. Range Scheduling: Primarily responsible for scheduling the utilization of training facilities for the installation.
- c. Range Officer: Responsible for the enforcement of policies and procedures established by this regulation.

1-3 SCHEDULING OF TRAINING FACILITIES

- a. Scheduling for ranges and training areas will be IAW Fort Pickett Reg 350-1, paragraph 2-2.
- b. Information concerning the availability of training facilities can be accomplished telephonically; however, training facilities are scheduled and reserved only after a written request has been received.
- c. Cancellation of training facilities previously approved may be accomplished by e-mail.

1-4 RANGE BULLETINS

- a. The DPTS Operations Branch publishes range bulletins IAW the following schedule (reference 350-1, Chapter 2-3, d):

DAY BULLETIN prepared on:

MON for WED
TUE for THU
WED for FRI
THU for SAT & SUN
FRI for MON & TUE

- b. Range bulletins are published based on final coordination for training facilities at the range coordination meeting and written requests for training.
- c. Units are responsible for clearing all facilities for which they are scheduled on the range bulletin.
- d. DPTS is not required to schedule facilities after the range bulletin is published.
- e. The range bulletin is an official document that supplements this regulation and will be complied with as such.

1-5 DAILY RANGE COORDINATION MEETING

- a. A range coordination meeting is conducted Monday-Friday at 0830, Bldg 3001.
- b. The purpose of this briefing is to conduct final coordination for facilities that will be scheduled on the range bulletin being published that day.
- c. Units are required to provide a representative 48 hours prior to the unit's first day of training to this briefing to accomplish the following:
 - (1) Confirm, add or cancel facilities.
 - (2) Coordinate with range operators
 - (3) Coordinate with other units to transfer scheduled facilities or to arrange for joint utilization.
 - (4) To receive information on installation directed cease-fires or safety precautions or administrative information of interest to all training units.
 - (5) To turn in daily unit Situation Report (SitRep).
- d. Units conducting IDT who are unable to attend the daily range coordination meeting must call the Scheduler at ext. 2143 or the Range Officer at ext. 2697 between 0730 and 0830 hours – 48 hours prior to training. Failure to do so can result in the cancellation of training facilities.

1-6 ADDITIONS/CANCELLATIONS OF TRAINING FACILITIES

- a. Additional training facilities may be acquired in the following manner:
 - (1) Provide a written request IAW Fort Pickett Reg 350-1.
 - (2) Request the facility at the daily range briefing.
 - (3) Request a facility from another unit currently scheduled for the facility.
 - (4) Coordinate for joint utilization with another unit. The unit scheduled by DPTS for the range will be responsible for clearance of the range.
- b. Units may cancel facilities at any time before the first day of training by sending an e-mail notifying Range Operations.

1-7 CONTROL OF AIRSPACE

- a. Fort Pickett's airspace to 18,000 feet MSL is controlled at the installation level by activating and deactivating restricted area R6602. The DPTS is the only agency that is allowed to activate or deactivate the

special use airspace at Fort Pickett. The level of restricted airspace that is activated is dependent on the weapons systems being fired. The daily range bulletin reflects the status of the restricted airspace.

b. All scheduled aircraft or aircraft supporting ground elements must coordinate with Range Operations (FM 34.10 with alternate of FM 36.10) prior to entering the restricted area or to arrange for training on the designated "nap-of-the-earth" (NOE) courses by rotary wing aircraft. Minimum information required is:

- (1) Aircraft call sign or tail number.
- (2) Estimated time of arrival.
- (3) Estimated time on station.
- (4) Number of personnel on the aircraft.

c. Prior permission requests (PPRs) are mechanisms used to alert the installation staff of inbound aircraft that require special handling. A PPR is mandatory under the following conditions and may be obtained during normal duty hours from the Operations Branch, ext 2193/2227.

- (1) Intent to land at helipads other than Blackstone Army Airfield, i.e., Post HQ helipad, dispensary, etc.
- (2) Aircraft requiring fuel during duty hours call commercial (434) 292-7251, after duty hours call commercial (434) 294-7558.
- (3) Aircraft transporting Code 6 visitors and above.

d. For more detailed information, contact the Airspace Manager at ext 2193/8506 or consult Fort Pickett Regulation 95-1.

1-8 ISSUE OF MAPS

a. The current Fort Pickett training map is the Fort Pickett Military Installation Map, scale 1:50,000. Contact the GIS specialist at (434) 292-2584 for map requirements.

1-9 ENVIRONMENTAL AWARENESS AND PROTECTION Integrated Training Area Management (ITAM) IAW AR 350-4 and associated environmental guidance, is in effect at Fort Pickett. Commanders will ensure that all soldiers practice proper stewardship of the training areas and the natural resources found there.

a. Protection of Natural Habitats.

(1) All rules regarding Land REHAB signs and Seibert stakes will be strictly adhered to by all personnel. For specific information contact the Operations / ITAM Officer at (434) 292-2057.

(2) Endangered plants marked with pink/black vinyl tape and white signs will be avoided. Violators are subject to prosecution by State and Federal agencies under provisions of the Endangered Species Act.

(3) Commanders at all echelons will ensure nesting, bedding and habitats of all species of birds or animals are *not* willfully or unnecessarily disturbed.

(4) No live trees will be cut or unnecessarily damaged. Units may maneuver through cut over or grassy areas where small saplings have sprung up. Units desiring to cut trees, in order to establish new bivouac areas etc., may do so with the approval of the installation ITAM office in Bldg. 3001. Issued camouflage equipment should be the primary method of concealment. Only weeds, grass and dead branches may be used for camouflage materials if issued equipment is not available.

(5) Wetlands should be avoided by vehicle traffic of training units. Federal law prohibits filling and draining.

(6) No harassment of wildlife will be tolerated. Wildlife problems will be reported to Range Operations for disposition by Natural Resources.

(7) Foxholes, fighting positions, etc. may be dug by hand without prior approval, but will be filled in before the unit clears. Heavy equipment may be used for digging only after a suitable dig overlay is submitted to and approved the installation ITAM office in Bldg. 3001. No digging is allowed in the Impact Area or CAA.

b. Hazardous Materials. Hazardous materials will not be disposed of on the range. Contact the agency that issued the materials for disposal instructions. All oil spills will be reported immediately to Range Operations.

c. Historical sites will be avoided or left undisturbed. Any relics found should be left in place and the location reported to Range Operations.

1-10 ALCOHOL POLICY Alcoholic beverages are absolutely prohibited on all ranges, firing points, training areas, and any other training facility at Fort Pickett. It is also illegal to transport alcoholic beverages along any road leading to a training area/facility outside the cantonment area.

1-11 PRIVATELY OWNED VEHICLES (POVs) POVs are not allowed in the training areas. Units with POVs parked in the vicinity of a training area/facility will be required to cease training until the POV is moved.

POV Pass can be issued by Range Operations.

A POV Pass can be issued by Range Operations for extenuating circumstances only. This request must come by the individual's Chain of Command, not the individual. **These will only be approved by Chief DPTS or a Range Officer. **

1-12 FIRE PREVENTION Commanders will ensure all unit personnel are aware of fire hazards inherent in field training operations, to include the handling and firing of ammunition, fueling operations, open fires, etc. Except as noted below, units are responsible, within their capabilities, for extinguishing fires started either by their personnel or as a result of their unit training activity.

a. General. If the nature of the fire is such that extinguishing is beyond the unit's capability, the unit will immediately notify Range Operations, extensions 2227 or 8334. If a telephone is not available at the training site, any available means to include the Range Operations radio net or mounted messenger will be used to effect notification. The report of a fire must include:

- (1) Nature and size of fire.
- (2) Presence of ammunition or other explosive material, if any.
- (3) Location by 6-digit grid coordinates, or if in a remote or hard to reach area, location of guide.

b. Range Fires in Impact Area. All personnel downrange will be immediately called back to firing line due to the possibility of fire induced detonation of unexploded ordnance. Range Operations must be immediately

notified of the location and extent of the fire. No personnel will remain downrange or move downrange to fight impact area fires without specific authorization from Range Operations.

c. Fires in Areas Other than Impact Areas. Available personnel will attempt to extinguish or contain the fire if at all possible. Range Operations must immediately be notified of location and extent of the fire.

d. Fires Involving Ammunition and Explosives:

(1) Every reasonable attempt will be made to prevent fires from reaching ammunition and explosives storage areas.

(2) If it appears likely that a fire could extend into an area in which ammunition and explosives are stored, steps must immediately be taken by the senior service member present to evacuate such ammunition and explosives out of the fire area.

(3) Should a fire reach ammunition and explosive storage area, the senior service member present shall order the evacuation of all personnel to a safe distance from the storage area and post road guards as necessary to preclude entry of civilian and military traffic into the danger area. The senior service member present shall then notify Range Operations of the measures taken.

e. Powder Burning. Excess powder can be burned on any range or firing point. Powder burning will be accomplished IAW Army regulations and as outlined below:

(1) Burning will be supervised by a command certified officer/NCO.

(2) Sufficient fire-fighting equipment and unit personnel will be present in the vicinity of the burning site to control the fire. At least 10 gallons of water and one shovel should be nearby.

(3) During extremely dry and windy periods and at other times when extra precautions are required, the Range Officer will restrict the burning of excess powder bags. Unused powder increments will be packed in metal containers and returned to the Ammunition Supply Point (ASP).

f. Pyrotechnic Suspension. When dry weather creates a fire hazard on the installation, Range Operations may declare a suspension on the use of pyrotechnics and tracer ammo. Due to varying conditions, some items may be suspended while other types of ammunition/pyrotechnics may be approved. This will be done on a case-by-case basis by DPTS, the Range Officer, or his designated representative. However, unless announced otherwise, all pyrotechnic and tracer ammunition will be suspended except the following:

(1) Blank ammunition.

(2) Hoffman charges.

(3) Tracer ammunition above CAL .50.

(4) Smoke generated from a smoke generator only.

(5) Artillery or hand grenade simulators.

(6) Red smoke, red flares, or red star clusters used in emergencies only.

g. Supplementary Information:

(1) Burning of trash is prohibited.

(2) Warming fires used to preclude cold weather injuries are permitted on a case-by-case basis only with prior approval of the Range Officer. Fire Department personnel must be advised of the exact location of each fire. Unit commanders are responsible for safe use of warming fires.

1-13 TRAINING FACILITY CLEARANCE PROCEDURES

a. Units will be responsible for clearing all facilities they have requested and are published on the range bulletin whether or not the facility has been used.

b. Clearance will be conducted during daylight IAW the checklist at Appendix J. When clearance is complete, a written release will be provided to the unit by the inspector.

c. Inspectors will inspect facilities only until it becomes obvious that no preparation for clearance has taken place. In this case the inspector will debrief the OIC and depart.

d. Clearance of large units (battalion and higher) will be accomplished as follows:

(1) A Range Clearance Officer (RCO) in the grade of MSG or above will be appointed who will have the authority to speak for the Commander.

(2) At least 48 hours prior to clearance the RCO will contact the Range Operations NCOIC who will provide him with a list of all facilities that must be cleared.

(3) On the day of clearance the RCO will report to Range Operations and will remain there until clearance is complete. The RCO must have communication with his units in the field.

(4) Range Operations personnel will coordinate only with the RCO on clearance problems and priorities of clearance.

(3) In the event of a shortage of vehicles at Range Operations, units may be asked to provide vehicles to transport inspectors to expedite clearance.

e. Coordinate clearance of MOUT, UAC, Confidence Course, Leaders Reaction Course, Bayonet Assault Course, Hand-to-Hand Pit, Expert Infantry Badge Course, all Land Navigation Courses, and Rappel Tower through MOUT/UAC NCOIC at (434) 292-2437.

CHAPTER TWO – SAFETY

SECTION I - GENERAL SAFETY REQUIREMENTS

2-1 **GENERAL** Safe training is the responsibility of the Unit Commander. This chapter provides specific safety guidelines for conducting training at Fort Pickett.

2-2 **OFFICER IN CHARGE (OIC)/SAFETY OFFICER (SO) REQUIREMENTS** Prior to conducting training in training areas (TAs), firing ranges, firing points (FPs), and other designated training facilities, a command certified OIC/SO must be present and listed with Range Operations IAW Appendix F.

2-3 **CERTIFICATION OF OFFICER IN CHARGE OR SAFETY OFFICER** To be certified as an OIC or SO, two requirements must be met:

a. **Commander's Certification.** The first field grade commander will provide a letter to Range Operations in the format shown at Appendix E of those personnel who are certified to perform duties as OIC or SO IAW this regulation and AR 385-63. It is recommended that the Commander require each OIC and SO to successfully complete a written examination which evaluates the individual's knowledge of AR 385-63 and Fort Pickett Regulation 350-2. The exam should be extremely detailed and administered in open book fashion. All Officers and NCOs certified by the Commander must be branch/MOS qualified for the type training being conducted. RSO must be weapon system qualified. The Commander's Certification letter must state that all personnel assigned to tank crews have passed TCGST within the last six months.

b. **Safety Briefing.** All OICs and SOs are required to receive a range safety briefing every twelve months. This briefing is given by Range Operations. Range Operations will maintain a list of those personnel who have received the briefing.

2-4 DECERTIFICATION OF OIC/SO

a. OIC/SOs who violate, or allow for the violation of this regulation or AR 385-63 may be decertified.

b. Upon decertification, training will cease at the training facility until another certified officer can be appointed. Within 24 hours of decertification, the commander who certified the officer in question will provide a letter to Commander, Fort Pickett, providing information concerning the facts and circumstances of the incident and what action will be taken to preclude future violations.

c. Examples of safety violations, which may result in immediate decertification, are as follows:

- (1) OIC/SO not present or not in a position to control training being conducted.
- (2) No qualified medic or litter bearing vehicle.
- (3) Unsafe handling or storage of ammunition or pyrotechnics.
- (4) Failure to establish and maintain communication with Range Operations.
- (5) Road guards not posted or performing duties as required.
- (6) Damage, destruction or alteration of a training facility.
- (7) Violation of laser safety requirement.

2-5 COMMUNICATIONS

a. All units using Fort Pickett training facilities are required to maintain communications with Range Operations. The type of communication required is dependent on the facility being used and whether live firing is being conducted. Specific requirements are listed in the following sections of this chapter.

b. Telephone terminals are located at all firing ranges and throughout the TA. Certain terminals also have telephones. The Information Management Officer (IMO), Bldg 1307, ext 2310, will issue phone numbers.

c. A utility pole, 60 feet tall, is available at building 2456 and Range 3 tower for a radio repeater antenna. Range 3 tower and Building 2456 provide electricity for the repeater. Prior approval for use is required.

2-6 DOCUMENTS/EQUIPMENT REQUIRED AT TRAINING FACILITIES

The following documents must be present at all training facilities and must be readily accessible to the OIC:

- a. Daily Range Bulletin.
- b. Field Manual and/or Technical Manual for the type of training being conducted or weapon being fired.
- c. If a medic is required on site, a strip map that shows the route to the nearest aid station, installation dispensary, and Southside Regional Hospital (See Appendix M).
- d. M-1 Gunners Quadrant (tank and artillery firing only).
- e. Map of the installation.
- f. FP Regulation 350-2.

2-7 PROTECTIVE HEADGEAR AND EAR PROTECTION Commanders must ensure that all troops use personnel protective headgear and earplugs to ensure maximum precautions against injury and hearing loss.

2-8 MEDICAL REQUIREMENTS

a. A medical aid man/medic with the following capabilities and equipment must be present on all ranges/firing points during the conduct of live firing:

- (1) The aid man must have a 68 Series MOS, be a licensed emergency medical technician or a combat lifesaver.
- (2) The aidman must have a standard aid bag and litter.
- (3) A litter bearing vehicle with qualified licensed driver other than the aid man. The medic and evacuation vehicle must be ready to receive a patient at all times and may not be used for any other purpose. Field expedient marking on non-ambulance vehicles is required.
- (4) Unit commanders or representatives must be prepared to give the rank, name, and SSN of all medic qualified personnel.

b. The litter bearing vehicle must be capable of safely transporting a litter patient. The driver must know the quickest route to:

- (1) The unit's aid station, if any.
- (2) Troop Medical Clinic, Fort Pickett (see Appendix M).
- (3) Southside Regional Hospital, Petersburg, VA

2-9 MEDICAL EMERGENCY PROCEDURES

a. Requests for medical assistance should be sent by the fastest means possible to Range Operations, ext 2227/8334 or FM 34.10 Mhz (primary) or 36.10 Mhz (alternate). If unable to contact Range Operations, contact the Military Police, (434) 292-8444. **DO NOT CALL 911 FROM A CELL PHONE** as this will delay response time.

b. For Helicopter Medical Evacuation, a landing zone should be marked with red smoke. In hours of darkness, vehicle headlights will be used to mark the landing zone, unless instructed otherwise. The coordinating frequency for medical evacuations is 34.10 MHz, 36.10 MHz. Any accident/incident involving weapons or ammunition will be reported immediately to Range Operations.

c. Wet bulb information. FP Regulation 385-10, Appendix B, provides information concerning heat index readings. Wet bulb information is transmitted by Range Operations over the primary radio frequency as categories change. Units in the cantonment area will contact the Range Operations desk, extension 2227/8334 to receive wet bulb information. Hourly reports are provided by Range Operations at Heat Category 2 and above.

2-10 HANDLING OF AMMUNITION ON RANGES Ammunition will be transported and handled only under the direct supervision of qualified personnel who are thoroughly familiar with the safety regulations listed in AR 385-63, FP Regulation 700-4, TM 9-1300-206, FM 5-250, and FMs for specific weapons.

a. No smoking is allowed within 50 feet of ammunition that is stored, being handled, or on the firing line. Troop concentrations will not be within 200 feet of ammunition storage or handling points.

b. OICs will ensure that NO ammunition, explosives, or components thereof, remain in the possession of any individual upon leaving the range.

c. The OIC of any training exercise involving the use of blank ammunition will conduct a safety briefing for all personnel prior to issue of ammunition.

d. Blank ammunition will only be issued to personnel with blank adapters mounted on their weapons.

2-11 FIELD STORAGE OF AMMUNITION

a. Permission for overnight/field storage of ammunition, explosives, or components thereof, on ranges may be obtained from the Range Officer/NCOIC.

b. Guards must be posted at temporary ammunition storage sites at all times.

c. Ammunition and sensitive equipment will be guarded IAW AR 190-11, AR 190-14.

d. All field storage of ammunition will be performed in accordance with TM 9-1300-206 and Fort Pickett Regulation 700-4.

(1) Service ammunition is authorized for guard purposes at the discretion of the unit commander.

(2) Service ammunition will not be loaded under any circumstances other than those listed in AR 190-14.

(3) Guard posts are required to have radio communication with Range Operations if the range is in a guarded (unoccupied) status.

(4) All guards issued service ammunition must be thoroughly briefed on use of deadly force IAW AR 190-14.

(5) Coordination must be made with Fort Pickett Provost Marshal Office and the Range Officer prior to the issue of service ammunition for security purposes.

2-12 MISFIRE AND HANGFIRE PROCEDURES

a. AR 385-63 and appropriate FMs and TMs for the weapon(s) concerned give specific information on the proper method of handling misfires. Their guidance will be followed explicitly on all ranges and firing points.

b. In the event of a misfire or hangfire, the OIC is responsible to ensure:

(1) All personnel are safe.

(2) Proper procedures are followed.

(3) Range Operations is notified to begin malfunction investigation.

(4) Technical assistance, if needed, is requested through Range Operations.

c. Rounds determined as misfires will be removed from weapons and placed in the misfire pit. The unit will repackage damaged rounds, mark them, and turn them in to the Ammunition Supply Point (ASP). A report following the format shown in AR 75-1 and FP Regulation 700-4 will be submitted to the Quality Assurance Specialist-Ammunition Surveillance. Any artillery round that has been rammed but not fired must be returned to the ASP.

d. A misfire of a hand grenade is extremely dangerous; therefore, hand grenades will not be thrown simultaneously. If there is a misfire, CEASE FIRE immediately! **Do not** throw any more grenades. Observe the location of the grenade, evacuate personnel behind the berm and call Range Operations.

e. Malfunctions. In the event of a weapon or ammunition malfunction other than routine cases such as misfires, hangfires and cook off, the OIC will:

(1) Suspend firing.

(2) Ensure the weapon and ammunition involved are retained intact and oriented down range.

(3) Notify Range Operations to begin the malfunction investigation.

2-13 DUDS

- a. OICs will ensure all personnel are warned not to pick up, handle, or in any way disturb artillery or mortar projectiles, rockets, grenades, aircraft flares, pyrotechnic devices, or any ammunition that has been fired but has failed to detonate. All such objects, readily identifiable or not, will be treated as DUDS.
- b. OICs of ranges and all Commanders must brief and frequently remind their personnel of the danger DUDS present, to mark location of all DUDS but under no circumstances touch them in any way, and to report the marked location to the OIC or commander as soon as possible. If possible the location of the DUD should be cordoned off with engineer tape no closer than ten feet. If there is any danger of the marked DUD being struck by moving vehicles, a guard must be placed at the location to warn vehicles and personnel.
- c. Finding unit will send a responsible representative who has seen the exact location of the DUD to Range Operations, who will contact EOD to dispose of the DUD. The unit representative will show EOD personnel the exact location of the DUD to preclude unnecessary search efforts by EOD.
- d. On ranges firing explosive projectiles, the OIC must also maintain a record of all suspected DUDS fired and submit this report in to Range Operations when applicable. A form as shown in AR 75-1 (Malfunction) should be submitted to the Quality Assurance Specialist (QASAS) at the ASP. If more than two rounds of explosive ammunition of the same lot number are suspected as being DUDS, that lot of ammunition will be suspended from firing until approval to fire that lot of ammunition is received from Range Operations.
- e. The removal from any range, firing area, or TA of any component parts of projectiles or other identifiable objects associated with explosives is strictly PROHIBITED.

2-14 CLEARING OF WEAPONS

- a. Upon completion of firing or when changing firing orders/crews and prior to any weapons leaving the range, the OIC or safety officer will personally ensure that each weapon is cleared of all live ammunition and/or expended ammunition.
- b. Each weapon that is cleared will have the bolt or breech locked in the open position.

2-15 ERRATIC FIRING

- a. Any projectile that impacts outside of safety limits as prescribed by this regulation, a valid range TRIG list or as depicted on the Fort Pickett Military Installation Map, will require immediate investigation and corrective action.
- b. Any individual detecting rounds landing outside of their authorized limits or outside of the established impact area will:
 - c. Immediately call a CEASE-FIRE FREEZE and contact Range Operations and report the following:
 - (1) Individual identification.
 - (2) Date and time round observed.
 - (3) Location.
 - d. Range Operations will notify the QASAS Ammunition Safety Office of all duds and misfires.

2-16 CEASE FIRE PROCEDURES

- a. Any individual, military or civilian, who observes an unsafe act or condition may stop firing by commanding CEASE-FIRE.
- b. Everyone must remain alert and watchful for personnel, vehicles, or aircraft, which might inadvertently wander into danger areas. If this occurs, cease firing and notify Range Operations immediately.
- c. A CEASE-FIRE and CEASE-FIRE FREEZE command applies to all units regardless of its origin and must be complied with immediately.
- d. The initiating individual will explain pertinent details to Range Operations as soon as possible.

SECTION II - MANEUVER AREA TRAINING

2-17 GENERAL While all areas are available for any pertinent training, areas 11-14 are ideally suited for mechanized operations while areas 41-55 are best suited for artillery and light infantry training.

2-18 OIC/SO RESPONSIBILITY All brigade, battalion, and separate companies will contact Range Operations prior to occupying a bivouac site or TA and provide Range Operations with the OIC (SSG or above) and a six digit coordinate of the headquarters where the OIC can be contacted. Battalion size elements may have one OIC for all units subordinate to them if all of these units have 24-hour radio communications with that headquarters.

2-19 COMMUNICATIONS All units occupying TAs or FPs are required to maintain one means of radio communication with Range Operations at all times. Units will be allowed to have radio communication with their next higher HQs if that HQs has radio communication with Range Operations. All units not firing but occupying a TA will continuously monitor 34.10 and contact Range Operations every three hours using radio communications.

2-20 OFF LIMITS AREAS

- a. The following recreation areas are off limits for bivouac or any other type of military training:
 - (1) Butterwood Pond, vic 386063
 - (2) Dearing Pond, vic 386055
 - (3) Joy Nature Trail, vic 384053
 - (4) Twin Lakes, vic 426110
 - (5) Lewis Pond, vic 433109
 - (6) Beaver Trail Pond, vic 437077
 - (7) Wonju Pond, vic 443084
- b. The limits of these areas are marked with signs, fences, or white markings on trees.

c. Roads. The following restrictions apply to roads surrounding Fort Pickett:

- (1) Ridge Road from 334065 to 361009 is off limits to vehicles larger than 1-1/4 ton.
- (2) Highway 613 from 474970 to 476055 is off limits to vehicles larger than 1-1/4 ton.
- (3) 10th Street is off limits to all tracked vehicles. Tracked vehicles will use Butterwood Road to move to and from the railhead.
- (4) All runways and roads in the vicinity of BAAF are off limits.

2-21 VEHICULAR OPERATIONS AND MOVEMENT

a. All vehicles, civilian and military, will travel with caution on all roads in the training/range areas. Speed limits on all tank trails are as follows:

- (1) 25 MPH for wheeled vehicles and 15 MPH for tracked vehicles.
- (2) 5 MPH for crossing all bridges.
- (3) 10 MPH for all vehicles moving under blackout drive.
- (4) 3 MPH in bivouac areas.
- (5) The above speed limits will be reduced for limited visibility, i.e., dust, smoke, etc.

b. Vehicle movement at bivouac sites. Units bivouacked in the TA will comply with the following guidance:

- (1) Establish clearly marked dismount points not less than 50 meters from the perimeter of the bivouac site. ALL vehicles will be ground guided after passing the dismount point.
- (2) No vehicle will be backed in the vicinity of a bivouac site without the use of front and rear ground guides.
- (3) During hours of darkness, no vehicle will be moved in a bivouac site without a ground guide using a flashlight.
- (4) Clearly mark sleeping positions within the bivouac site.

c. Motor Marches. Daylight march commanders must ensure that road guards are posted for crossing Virginia Hwy 40 and at other major intersections on post as needed.

- (1) Vehicles involved in a motor march must maintain a minimum safe distance between vehicles.
- (2) The front and rear vehicles of a motor march should have a communications capability with each other.

d. Blackout Marches.

- (1) Units conducting movement under blackout conditions must coordinate 48 hours in advance

with Range Operations. Road marches of platoon or larger units must be coordinated 48 hours in advance with Range Operations. Coordination must include submission of an overlay outlining route of march, starting point (SP) and release point (RP) and inclusive march times.

(2) Unit Commanders must ensure that appropriate intersections are manned by road guards equipped with flashlights or lanterns enabling them to halt and warn other vehicles approaching the line of march.

(3) Travel on or across hard surface roads will be with service drive only.

(4) Only Command-certified qualified personnel will operate vehicles with Night Vision Goggles. Units will coordinate with Range Operations for training areas that are dedicated for Night Vision Goggle training only.

e. Sleeping on, in, or under any vehicle is prohibited.

f. Tracked Vehicles.

(1) All tracked vehicles must travel with a minimum of two personnel, i.e., driver and vehicle commander. Personnel are required to have communications intercom between driver and track commander. Radio is required between the lead and trail vehicles of each serial within a convoy.

(2) Dismounted guides must be employed when moving in close quarters, crossing hard top roads and in bivouac areas at all times. Night movements in bivouac areas should be held to a minimum.

(3) Damage to any drainage ditch or gutter adjacent to any tank roads by movement of a tracked vehicle onto or off the road will be corrected by the crew of the tracked vehicle concerned. If repair of the damage is beyond the capability of crew, a report will be made to Range Operations as soon as it is possible.

(4) Units that wish to move vehicles that are uploaded with ammunition must inspect the bores of all weapons to include main guns, coaxial machine guns, and small arms when departing a live fire range. Uploaded vehicles will display a green flag when all weapons are clear.

g. Crossing of Highway 40. In order to establish uniform traffic and vehicle regulations in connection with military vehicles crossing Virginia Hwy 40, the following detailed procedures must be followed:

(1) Tracked vehicles must cross Hwy 40 at designated crossings only. Approved Hwy 40 crossings are located in the vicinity of coordinates: 389068, 398067, 407068, 425066, 444067, and 452067.

(2) Individual vehicles must stop before crossing Hwy 40.

(3) The Unit Commander will dispatch two persons from his unit to stop all oncoming traffic (one in each direction). These two persons will be stationed at least 100 meters from the point of crossing.

(4) During daylight hours each person halting traffic must have a red flag. During the hours of darkness individuals must wear a reflective vest and have flashlights.

(5) After crossing, Hwy 40 must be cleaned of all dirt and mud.

SECTION III - SMALL ARMS RANGES

2-22 GENERAL There are two types of basic small arms ranges at Fort Pickett. There are eight automated pop-up target ranges and ten ranges with stationary firing positions. The small arms ranges at Fort Pickett have been designed to perform specific training tasks and qualification tasks; however, their capabilities are limited only by the imagination of the Unit Commander. The training facilities cannot be changed but their uses can. A red range flag must be flown while range is occupied.

2-23 OIC/SO REQUIREMENT See Appendix F.

2-24 COMMUNICATION REQUIREMENTS When firing, units must maintain two means of communication with Range Operations. The primary means is by radio. The secondary means is by telephone. If the range telephone is inoperative, the unit must maintain two means of radio communication with Range Operations. When the range is occupied but not firing, only one means of radio communications is required. Radio communication with a higher headquarters that has radio communications with Range Operations satisfies this requirement.

2-25 AUTOMATED TARGET RANGES These ranges are generally used for individual and crew served weapons transition and qualification. (M16/M4 qualification, combat pistol qualification, and MG transition/qualification). Units can coordinate with Range Operations to fire squad move out live fire exercises. Inoperable targets will be reported to Range Operations to facilitate repair.

2-26 STATIONARY TARGET RANGES These ranges are used to zero M16s, 25-meter M16 qualification, and MG 10-meter record fire and pistol marksmanship.

SECTION IV - TANK GUNNERY

2-28 GENERAL The tank ranges at Fort Pickett are Ranges 16 and MPRC. Refer to Appendix A for a description of the ranges and their capabilities.

2-29 OIC/SO REQUIREMENTS Refer to Appendix F for OIC/SO requirements. When vehicles with laser range finder capability are being fired, a Laser Range Safety Officer (LRSO) must also be identified. The Safety Officer may also act as the LRSO. Additionally, all tank commanders are responsible for laser safety.

2-30 COMMUNICATIONS The primary means of communication with tank ranges during firing is by radio. The secondary means is by telephone. When the telephone is inoperative, two radios must be used. When a range is occupied but not firing, only one means of communication is required, radio or landline. Tank ranges have assigned FM frequencies that must be used as firing and control frequencies. These frequencies are listed on the range SOP.

2-31 RANGE OPERATIONS

- a. No main gun firing is allowed on Ranges 16 or MPRC from 0900-1200 Sundays.
- b. Each range and mortar firing point must have a qualified Aidman (or combat lifesaver) with aid bag and litter-bearing vehicle with driver.
- c. A red range flag must be flown while a range is occupied.
- d. No dismounted personnel are allowed on the firing line while vehicles are firing.

- e. Hearing protection must be worn at all times by personnel in front of the tower.
- f. Only one firing vehicle at a time is allowed on the course road on Ranges 16.
- g. All wingman and dry firing vehicles must use the course road.
- h. Only authorized firing positions will be used for live firing.
- i. Boresight panels and/or armored accuracy check (AAC) boards will not be engaged by firing vehicles.

2-32 RANGE FIRING

- a. Units occupying ranges with tank weapon systems will have DA Form 2408-4s on the range. Unit commanders will ensure borescope and pullover have been completed within 90 days or 200 EFC rounds. Prior to requesting permission to fire, refer to the opening checklist at Appendix H.
- b. All vehicles will display appropriate flags or lights IAW FM 17-12 series.
- c. The moving targets will only be engaged within the range fan.
- d. Weapons will be oriented downrange at all times.

2-33 AMMUNITION

- a. TPDS-T can only be fired on Ranges 15 and 16.
- b. No explosive ammunition may be fired on any tank range.
- c. Ammunition will be stored on the range IAW AR 385-63 and TM 9-1300-206.
- d. Storage on vehicles will only be IAW published TM.
- e. All DA Form 581 that includes demolition must be accompanied by a DA Form 2203R. No units will be permitted to fire demolitions unless a copy of the issue DA Form 581 and the DA Form 2203-R is at the Range Operation Firing Desk (Page R-1)

2-34 LASER OPERATIONS The laser range finder can cause serious injury if used in an unsafe manner; therefore, it will be treated as a weapon.

- a. Laser Range Safety:
 - (1) Each unit training with the M1 series tank must have a command certified laser range safety officer (LRSO) and laser range safety NCO (LRSNCO) IAW AR 385-63. These personnel must be familiar with all requirements of AR 385-63 as it pertains to laser range finders.
 - (2) When ranges are in a firing status, either the LRSO or LRSNCO must be present on the range.
 - (3) The Range Safety Officer may also perform duties as the LRSO or LRSNCO.
 - (4) When the range is not in a firing status, the laser port will be closed and locked. Bore sight procedures using the laser range finder will not be conducted unless the range is in a firing status.

(5) When the range is in a firing status, tank commanders will maintain the keys to locks on all laser ports of tanks on range if laser ports are lockable.

(6) Laser ports will be opened by tank commanders only when the tank has been given permission to conduct dry fire exercises or is engaged in live fire. Lasers will only be fired from authorized firing points. When the laser port is open, the tank will display the same flags or lights as if it were firing live ammunition.

(7) Do not lase at range fan markers.

b. Maneuver Area Safety:

(1) Tanks equipped with laser range finders engaged in tactical training or TCPC in maneuver areas will open laser ports only while actually maneuvering and only after eye safe filters have been installed.

(2) The OIC or Safety Officer of the unit conducting the training is responsible for ensuring that the eye safe filter is installed by personally inspecting the vehicle.

(3) Laser ports will not be open during any road marches, tactical or administrative, unless eye safe filters have been installed.

(4) Laser ports will not be opened in motor pools or the cantonment area except when maintenance is being conducted on the laser or the eye safe device is being installed. Tanks will not be left unattended with the laser port open.

SECTION V - INDIRECT FIRE

2-35 SAFETY RESPONSIBILITY

a. Unit commanders are responsible for ensuring all OICs, safety officers (SO) and safety NCOs are qualified in their MOS and the position in which they are performing. It is the Unit Commander's responsibility to establish procedures for qualifying and certifying all personnel within their commands who are required to perform safety duties.

b. The OIC must be a commissioned officer. The SO may be either a commissioned officer or a NCO, SSG (E6) or above.

c. Prior to live firing the OIC and SO must be certified IAW para 2-3.

d. The OIC will ensure that all section chiefs are qualified to perform safety duties at the gun prior to firing. As a minimum, a hands-on check of the section chief's ability to read a safety "T" and set time on all types of timed fuses being fired will be conducted.

e. Before live firing, the OIC and all other safety personnel will read, understand, and comply with:

(1) AR 385-62 or AR 385-63, as appropriate

(2) Fort Pickett Regulation 350-2

(3) Daily Range Bulletin

(4) FM 6-50 or applicable manual

f. Split Battery Operations: Regardless of the number of firing elements, both an OIC and SO must be present in the firing point during the conduct of live firing.

2-36 COMMUNICATION

a. When firing points are occupied but not firing, units must maintain one means of radio communication with Range Operations. If the unit's next higher headquarters has established communication with Range Operations, establishing radio communication with that headquarters satisfies the requirement.

b. Units must establish two means of communication with Range Operations prior to firing. The primary means must be radio communication directly to Range Operations. The second means of communication can be as follows:

(1) Radio communication directly to Range Operations

(2) Telephone to Range Operations

(3) Radio communication to the unit's next higher headquarters if that headquarters has Radio and landline communications to Range Operations and clear digital and radio communications with the firing unit.

2-37 IMPACT AREA COORDINATES: The coordinates of the Fort Pickett impact area are:

WGS84: 42030222 45650012 42030022 45670194

2-38 SURVEY INFORMATION The declination station for Fort Pickett is located at WGS84 grid 37720181. See Letter Of Instruction

2-39 FIRING POINTS (FP)

a. The Firing Points are marked with a standardized system. Each battery center is marked with a 105mm canister with one or two short telephone poles painted red to aid locating it. The presence of a Firing Point marker does not relieve the OIC of the responsibility of conducting a map spot of the unit's location. Units will not fire until the OIC has compared the unit's actual map location with the coordinates plotted by FDC (see Appendix B).

b. A howitzer will be located within 100M of the established FP marker (except Paladin). For a listing of the coordinates of all Fort Pickett Firing Points and observation points (OPs) see Appendices C1 and C2.

c. Firing will be allowed from other than a designated FP only after coordination with the DPTS. Any nonstandard FP must have survey control by the using unit. The unit must provide a survey grid location to DPTS NLT 48 hours prior to firing. Firing unit will not be located within 350 meters of the reservation boundary when firing from nonstandard Firing Points.

d. Units must ensure that the location from which they are observing indirect fire is outside surface danger areas A, B, or C of their target areas per AR 385-63, para II-5c. Units should be particularly concerned if they intend to fire from Firing Points in TAs 50, 51 or 52 and observe fire from OP 2 or OP 3. If the target area is designed in such a manner that an OP falls into surface danger areas A, B, or C, that OP cannot be occupied during firing. The range duty officer will resolve conflicts among units, but as a general rule, the situation that offers the maximum number of targets to all firing units will prevail over the use of a particular OP.

2-40 ARTILLERY DIRECT FIRE Direct fire is permitted from OP 3 for 155mm or 105 mm into the artillery

impact area. Requests for direct fire training must be submitted to DPTS and coordinated with the Range Officer.

2-41 AMMUNITION

a. Ammunition on all FPs will be properly stored and protected from damage and the effects of weather (i.e., shaded from direct sunlight, protected from rain and mud). When stacked on the ground, ammunition will be on dunnage and covered by a tarpaulin. Powder charges and mortar rounds will not be removed from containers until required for firing. When more than thirty minutes will elapse before firing, powder charges and mortar rounds will be returned to their containers until needed. Damp powder charges will NOT be utilized.

b. During periods of inclement weather, mortar ammunition may be unsealed and inspected for firing but must be returned to shipping containers until it is ready to be fired.

c. Charges will not be precut. All propellant charges must remain complete until a fire mission is received (see para 2-43e.).

d. Units must ensure that only ammunition cleared for overhead fire is on hand. Uncertified ammunition will not be fired over troops.

2-42 ACTIONS PRIOR TO FIRING

a. Two means to determine direction are required prior to actual firing. One of these means must be an aiming circle (AC) declinated for this area or GLIPS. The two means should agree within 10 mils. Aiming circles will be declinated at an established Fort Pickett declination station within forty-eight (48) hours before firing.

b. All indirect fire units excluding Paladin and M777 units will provide DPTS a safety diagram. Before an OP can be used as a FP or a FP is added to the range bulletin, the safety diagram must be approved. The entire safety diagram including PE reduction must plot inside the artillery impact areas. Units must determine left and right azimuth limits and minimum and maximum range.

c. To properly reduce a safety diagram for a FP, enter the appropriate firing table at the median range of that FP, and determine the range and deflection probable errors. Reduce all deflections and the maximum range by eight probable errors. Increase the minimum range by twelve probable errors.

d. Safety diagrams will have no more than two "doglegs".

e. Before clearance to fire is requested, a safety "T" will be prepared showing deflections, minimum and maximum elevations, minimum fuse setting for time fuses and applicable FP. A separate safety "T" will be prepared for each charge to be fired and the charge will be annotated on the safety "T".

f. Safety "Ts" must be updated after registration and when new meteorological data is received. Safety "Ts" must reflect current safety diagram.

g. It is the OIC's responsibility to ensure that a correct safety diagram is on at least one chart in the fire direction center and each firing piece has a safety "T" available. All safety officers and firing battery supervisors will have a safety "T" with them during firing.

h. It is a unit responsibility to provide road guards. Road guards are necessary to stop traffic on tank trails in front of firing positions when the road falls within danger area echo of the nearest gun. This is 350m for

155mm and 300m for 105mm. Road guards must be equipped with two-way communication and briefed to halt all traffic during a fire mission. At the conclusion of a fire mission, the road guard will allow traffic to pass.

i. Self-propelled howitzers will be safety taped outside the turret IAW FM 6-50. 155mm towed howitzers will be safety taped. 105mm howitzers will use safety stakes or tape. As a minimum, the left and right safety limit and the minimum and maximum QE will be marked.

j. Before firing, the Safety Officer/NCO will compare the XO's minimum QE with the minimum quadrant on the safety "T". The higher of the two will be used.

k. When operating an aiming circle at night, only the issued lighting device will be used when centering the magnetic needle. Flashlights can cause a magnetic error of up to 20 mils.

l. Prior to firing, units must request permission to fire IAW Appendix H, page 2.

m. Paladin and M777 units will be briefed by the Range Officer for specific requirements.

2-43 RESTRICTIONS AND SPECIAL SITUATIONS DURING FIRING

a. All standard ammunition, except WP and ICM, can be fired on Fort Pickett. (WP may be fired only after prior coordination with DPTS.)

b. No M582 fuses will be fired over HWY 40. VT fuses will only be fired over HWY 40 in PD mode.

c. When firing base ejecting ammunition, charge will be reduced to that charge for which maximum range to impact will not exceed the limits of the impact area.

d. Charge five (white or green bags) is the maximum charge for 155mm except North of Highway 40.

e. Fuses and charges will not be precut except for FPF and immediate suppression missions, and then only for the number of rounds necessary to complete the mission.

f. High angle fire is permitted to a maximum of 17,500 feet MSL.

g. Firing during limited visibility:

(1) Firing will not be conducted when weather prevents observation of rounds unless radar is being used.

(2) Units must ensure that radar support is properly oriented.

(3) Units must have a FO on an OP to confirm, by sound, the impact of rounds in the impact area in case of a malfunction or incorrect orientation of the radar.

g. After the first round is fired, units will notify Range Operations that the first round was observed safe.

h. The FDC will maintain records of fire on DA Form 4504. Each howitzer will maintain records of fire on DA Form 4513.

2-44 MORTARS

- a. Mortars **will not** be fired over the heads of any troops.
- b. Restrictions applicable to the 120mm mortar only:
 - (1) Maximum firing elevation is 1065 mils.
 - (2) When firing projectile M2A1, M2A(alt), M328 and/or M329, the minimum charge will be seven increments. (This does not apply to 120mm Mortars)
 - (3) Projectiles other than those listed in b(2) above require a minimum charge of five increments except as indicated in b(4) below.
 - (4) Projectiles fused with fuse PD M51A5, the minimum charge will be seven increments.
- c. Mortar FPs are specifically designed for supporting tank gunnery with illumination in Areas 20, 22, 23.
- d. Overlays are required 24 hours prior to requested firing date.
- e. Mortar units will prepare a safety "T" showing:
 - (1) Minimum and maximum charge
 - (2) Left and right deflection limits
 - (3) Each elevation with or without extension

2-45 Use of GV/LLD (Laser Designator) and Q-36 (Firefinder Radar):

a. Laser Designator. The GV/LLD may be used from any designated OP. Due to the inherent danger of Lasers, the GV/LLD will be treated as a weapon at all times the battery pack is installed. The GV/LLD may be used with the following restrictions:

- (1) An OIC and Safety Officer will be appointed IAW Para 2-3 of this regulation at each OP using lasers. The OIC may be an E-7 or above, qualified to operate the GV/LLD. The SO may be an E-6 or above qualified to operate the GV/LLD. The OIC will request permission from Range Operations prior to beginning laser operations.
- (2) The OIC will provide Range Operations a safety diagram with azimuths of the intended target area prior to occupation of the OP. NON-REFLECTIVE safety stakes will be emplaced to prevent operators from lasing outside of safety limits.
- (3) The GV/LLD will not be prepared for action nor the battery pack installed until arrival at the OP. The laser will be pointed into the impact area during all times the battery pack is installed.
- (4) UNDER NO CIRCUMSTANCES will the inhibitor plug be removed unless the individual is actively engaged in ranging or designation of targets.
- (5) UNDER NO CIRCUMSTANCES will targets that appear less than five mils below the visible horizon be lased.

a Firefinder Radar. During periods of limited visibility, Q-36 radar may be used in the "friendly fire" mode to confirm impact of rounds in the impact area. Radar will be emplaced in such a manner as to ensure observations for all firing batteries using that radar. When radar is used as the primary means of observation, the radar section will have direct radio communications to Range Operations and will report they are the primary means of observation. It is only necessary that the radar observe one round of a battery volley to confirm impact in the impact area. Even if radar is used, observers must be at the OP to provide additional confirmation of impact.

2-46 ROUNDS IMPACTING OUTSIDE SAFETY LIMITS

a. Any individual who detects round impacting outside of the impact area will immediately call CEASE FIRE FREEZE and contact Range Operations and provide grid location or azimuth and distance to the burst.

b. OICs of all active firing points will:

(1) Cease-fire immediately and stand by to acknowledge cease-fire when called by Range Operations.

(2) Freeze all weapons in place. The Fire Direction Computer will not be turned off. No additional data will be entered or cleared in the fire direction equipment. No weapon on any firing point in a "HOT" status will be moved or fired. Sighting and aiming posts will be left in place. Tubes will not be moved, sight settings will not be changed, and personnel will move away from their weapons to at least 50 meters behind the powder pits. The OIC will ensure that "cease-fire freeze" messages are passed to the guns and FDC personnel immediately and that all personnel are briefed on appropriate actions

(3) The OIC will begin preparation of the Round Out Of Impact Form, Appendix K, and stand by to transmit required information to Range Operations when called. OICs will be prepared to transmit actual gun data on request.

(4) During inclement weather, OICs may authorize supervised individuals to secure wet weather gear and sleeping bags.

c. When a determination has been made of the unit that fired out, the first field grade commander in that unit's chain of command will appoint a disinterested officer to conduct an investigation IAW AR 15-6. This investigation will determine the facts and circumstances concerning the incident and will make recommendations on what action should be taken to preclude future incidents. The results of the investigation will be provided to the Commander, Fort Pickett, within 72 hours after the incident. Until the investigation is complete, the OIC and SO of the unit will be decertified IAW para 2-4.

d. The Commander, Fort Pickett, is the only person authorized to lift a cease fire freeze resulting from a round out of impact.

SECTION VI - AVIATION (AERIAL GUNNERY)

2-47 GENERAL Aerial gunnery may be conducted at Fort Pickett with certain restrictions designed to reduce the training impact on ground maneuver units. Coordinated activities between rotary and fixed wing aviation and ground elements are encouraged. For additional information refer to Fort Pickett Regulation 95-1.

2-48 OIC/SO REQUIREMENTS

- a. Aircraft engaged in close air support live fire strafing missions must be under the direct control of a Battle Captain, Tactical Air Control Party, Forward Observer or qualified personnel that have communications with the aircraft and can clear them in "HOT." Coordinated operations involving field artillery, mortars or helicopters and high performance aircraft must have a single point of contact that is in radio communications with Range Operations and all participating units. Independent aircraft will have a ground FAC for cannon firing or strafing.
- b. Aircraft operating in the Fort Pickett airspace without positive control receive a block time during which all indirect or tank firing points/ranges are placed in a mandatory check fire. Under these circumstances an OIC/SO is not required. Strafing operations are not permitted under these circumstances.
- c. Refer to Appendix F for OIC/SO requirements. The OIC/SO may be located in an aircraft or at an Observation Point.
- d. When laser range finders/designators are used, a Laser Range Safety Officer (LRSO) must also be identified. The Safety Officer may also act as the LRSO.

2-49 COMMUNICATIONS The primary means of communication with aircraft and personnel controlling the aircraft is by radio. Only the OIC/SO must communicate with Range Operations, participating aircraft are required to have communications with the controlling activity.

2-50. RESTRICTIONS. The following restrictions apply to all rotary and fixed wing aircraft conducting gunnery exercises:

- a. High explosive ordnance or depleted uranium ammunition is prohibited. No 40mm high explosive (HE).
- b. White Phosphorous marking rounds are prohibited.
- c. Maverick missiles cannot be fired at this installation.
- d. High performance aircraft conducting strafing operations must overfly OP 3 on a heading of 350 to 360 degrees magnetic and must be cleared in by ground controllers.
- e. Operations involving fixed and rotary wing aircraft in joint training must maintain a minimum altitude separation of 300 feet. DPTS reserves the right to enforce hard ceilings and floors to provide separation.
- f. High performance aircraft are not allowed to operate in the Fort Pickett area between 0900-1200 on Sunday and 0001-2400 Easter Sunday.
- g. There are no restrictions on the size of inert practice bombs dropped into the impact area.

2-51 AIRSPACE

- a. Aircrew of high performance aircraft requiring a Military Operations Area (MOA) for operations below ten thousand feet must be briefed on entry and exit procedures. The squadron scheduler, operation officer or a coordinating activity must schedule the Special Use Airspace (SUA) and provide block times, call signs, number of aircraft, squadron designation, point of contact and DSN phone number to the Air Traffic and Airspace manager NLT 48 hours prior to the block times.

- b. All operations conducted in any Fort Pickett SUA must be IAW the MOA operation procedures, Federal Aviation and service regulations.
- c. The DPTS is the only agency authorized to reserve the MOA's through Washington Air Route Traffic Control Center.
- d. The MOA's must be activated in conjunction with the restricted area.

SECTION VII - AVIATION (AIRBORNE OPERATIONS)

2-52 GENERAL

- a. There are two surveyed Fort Pickett Drop Zones (DZ) listed in the Assault Zone Availability Report (AZAR). Headquarters, Air Mobility Command, approves all for airborne operations. The following is a summary of the drop zones and the capabilities of each:
 - (1) Blackstone DZ - Static Line, High Altitude, Low Opening (HALO); High Altitude, High Opening (HAHO); Container Delivery System (CDS); Heavy equipment
 - (2) Dove DZ - Static line, HALO, HAHO, CDS, Heavy Equipment, Grid: 18S TS43710826.
- b. Blackstone and Dove drop zones are listed in the Parachute Jumping Areas section of the Airport Facility Directory (AFD) as having a permanent Notice To Airmen (NOTAM) from the surface to 12,500 feet MSL with a one mile radius of operation.
- c. All users will comply with the restrictions and instructions contained in the NOTAM or Drop Zone survey. Additional information and Drop Zone surveys are available from the Air Traffic and Airspace Manager, ext. 2193.
- d. All personnel will be familiar with Fort Pickett Regulation 95-1 prior to conducting air operations.

SECTION VIII - OTHER TRAINING

2-53 SMOKE OPERATIONS Units desiring to conduct smoke operations must provide an overlay to Range Operations showing the area that will be affected. The unit will cease operation if climatic conditions result in smoke spreading beyond the overlay limits. Under no condition will any state highway or the cantonment area be smoked. Units will contact Range Operations when smoke operations begin and cease. When using HC smoke, units will wear protective masks. (There will be NO personnel and smoke in confined areas, for example, rooms in buildings at MOUT Site.)

2-54 MOUT FACILITY This facility consists of a 16-building collective training facility (CTF) and a live fire Urban Assault Course (UAC). A separate LOI has been published for the operation of this facility. Radio communications and a medic with litter-bearing vehicle are required for use of this facility.

2-55 LEADERSHIP REACTION COURSE A separate LOI has been published for the use of this facility. A safety briefing is required prior to using the facility. The safety briefing can be scheduled by contacting the MOUT/UAC committee. Radio communication and a medic with litter bearing vehicle is required for use of this facility (see Appendix A).

2-56 CONFIDENCE COURSE/AIR ASSAULT OBSTACLE COURSE A separate LOI has been published for the use of this facility. A safety briefing is required prior to use. The safety briefing can be scheduled by

contacting the MOUT/UAC committee. Radio communication and a medic with litter bearing vehicle is required for use of this facility (see Appendix A).

2-57 NBC DECONTAMINATION FACILITY This facility allows unit to conduct detailed vehicle and personnel decontamination IAW FM 3-5. Radio communication with Range Operations is required (see Appendix A).

2-58 USE OF CS CS and riot control agents can be used only at the mask confidence building or in TAs. Units desiring to use CS in conjunction with maneuver training must provide Range Operations with an overlay providing information on exactly when and where CS will be used. Under no circumstances will CS be used in a manner where it could spread to within 200 meters of a state highway or the cantonment area. CS will not be used on any direct firing range, FP, or other training facility (see Appendix A).

2-59 RAPPEL TOWER Equipment for rappelling is available by contacting the MOUT/UAC committee. Radio communications and a medic with litter bearing vehicle is required for use of this facility. A qualified rappel master must be on site. A briefing is required from the MOUT/UAC cadre (see Appendix A).

2-60 ENGINEER BRIDGE SITE/ENGINEER TRAINING AREA Radio communications and a medic with litter bearing vehicle is required for use of this facility (see Appendix A).

2-61 HAND-TO-HAND COMBAT PIT Radio communication and a medic with litter bearing vehicle is required for use of this facility (see Appendix A).

2-62 EST 2000 WEAPONER Trainers are located at Range 10 and Bldg 3075. Upon scheduling use, coordination must be made with Range Operations and the using unit may be required to provide an instructor/operator. Coordinate with Range Scheduling for use. (see Appendix A)

2-63 CALL FOR FIRE TRAINER Upon scheduling use, coordination must be made with Range Operations and the using unit may be required to provide an instructor/operator. Coordinate with Range Scheduling for use. (see Appendix A)

2-64 HMMWV EGRESS ASSISTANCE TRAINER (HEAT) Upon scheduling use, coordination must be made with Range Operations and the using unit may be required to provide an instructor/operator. Coordinate with Range Scheduling for use. (see Appendix A)

2-65 VIRTUAL BATTLESPACE SIMULATOR 2 (VBS 2) Upon scheduling use, coordination must be made with Range Operations and the using unit may be required to provide an instructor/operator. Coordinate with Range Scheduling for use. (see Appendix A)

2-66 VIRTUAL CONVOY OPERATION TRAINER (VCOT) Upon scheduling use, coordination must be made with Range Operations and the using unit may be required to provide an instructor/operator. Coordinate with Range Scheduling for use. (see Appendix A)

2-67 LAND NAVIGATION COURSES NORTH, SOUTH and EIB LANAV North consists of thirty-nine alphabetically identified points. There are 20 different scenarios, each with five points, located in TAs 11, 12, 13, and 14. This is an advanced course. LANAV South consists of twenty alphabetically identified points. There are 16 different scenarios, each with five points, located in TAs 41 and 42. LANAV EIB consists of 25 alphabetically identified points. There are 15 different scenarios, each with five points, located in TAs 51 and 52. There are student and instructor MOIs available at Range Operations for Land Navigation Courses. Radio communication and a medic with litter-bearing vehicle are required for use of these facilities. (see Appendix A)

2-68 EIB (Expert Infantry Badge) Testing Site Course consists of skill areas, access to areas for road march, marksmanship, APFT, and Land Nav. Instructor MOI available at Range Operations. Prior coordination with MOUT NCO is required. (see Appendix A)

2-69 COUNTER IED LANE (CIED) This is a group of facilities that includes a number of urban training complexes and road networks that may be utilized to train for asymmetrical warfare and counter IED tasks. Coordination must be made with the Fort Pickett range scheduling office and the CIED Red Team for use of this training asset. (see Appendix A)

2-70 UAS/UGV Upon scheduling use, coordination must be made with Range Operations Frequency Office for frequency management and documentation pertaining to the use of unmanned systems. (Refer to FP Reg 95-1)

CHAPTER THREE TRAINING SUPPORT

3-1 GENERAL Fort Pickett provides training support to units at the following facilities:

- a. Training Support Center (TSC) (Bldg 3002)
- b. Target Warehouse (Bldg 3002)
- c. Installation Recycling Center (Bldg T-2360)

3-2 TRAINING SUPPORT CENTER

- a. The TSC has a large selection of audio-visual equipment, Graphic Training Aids (GTAs) and training devices available for loan to units training at Fort Pickett.
 - b. Units may establish an account with the Fort Pickett TSC by submitting the following:
 - (1) Identify specific training device and/or audiovisual needs in Part II a of the training request IAW FP Reg 350-1, Chapter 2, para 2-3.
 - (2) Prepare a DA Form 1687; Signature Card. Company commander must assume responsibility for delegation of authority. NOTE: Only personnel in grade E-6 and above may sign for Miles devices. See Fort Pickett MILES SOP.
 - (3) Provide an Assumption of command Memorandum or Appointing Orders of the person who signed the DA Form 1687.
 - c. Request will be processed by the DPTS after coordination with the TSC. A response will be provided by the DPTS indicating what can be supported. Telephone communication is encouraged to verify your request.
 - d. Audiovisual equipment is available at the TSC including:
 - (1) Combination TV VCR/DVD Player
 - (2) Podium PA System
 - (3) Projector Screen
 - (4) Over Head Projector
 - (5) Extension Cords
 - e. Selections of various GTAs are available. Most GTAs are expendable and will be issued to Training Officers and NCOs in limited quantities. For a complete list of GTAs refer to the Reimer Digital Library: (<https://rdl.train.army.mil/soldierPortal/soldier.portal>)
 - f. Training Devices are on hand to support a wide variety of training missions. Refer to Appendix O for the training devices available. References for training devices are DA PAM 350-9 and TRADOC PAM 350-9 and should be consulted when trying to identify training devices.
- #### 3-3 TARGETS
- a. The Target Warehouse is located at Bldg 3002 and provides the following:

- (1) Targets (no power thermal) required for conducting gunnery IAW FM 17-12.
- (2) Plywood targets by request, 45 days advance notice.
- (3) Generators.
- (4) Automatic Infantry target setting devices.
- (5) E type and F type targets.
- (6) Troubleshooting of target devices and moving targets on tank ranges and small arms ranges.

b. Units should detail their need for targets on their training request. At least 45 days in advance, contact target warehouse.

c. Issue and turn in of targets will be accomplished Monday-Sunday between 0730-1600.

d. If a moving target becomes inoperative, contact Range Operations.

e. Direct Exchange (DX) of defective target mechanisms should be coordinated through Range Maintenance.

f. Small arms qualification/familiarization targets for Reserve Components are available at the target warehouse.

3-4 INSTALLATION RECYCLING CENTER

a. Can provide used lumber and other materials for reutilization as barrier material, overhead cover, etc.

b. Requests must be coordinated with Recyclable Materials Manager located at Bldg T-2360 on Kemper Avenue, ext 2800. An answering machine is operated on this phone line.

c. Material support is limited to what is available in the scrap yard when the unit arrives on Fort Pickett and makes final coordination with the Recyclable Materials Manager.

d. Fort Pickett Recycling requests any materials that may be recoverable, reusable, or recyclable be delivered to the scrap yard at Bldg T-2360. During duty hours coordinate with the Recyclable Materials Manager.

BY ORDER OF THE GOVERNOR:

The proponent office for this regulation is the Division of Plans, Training, and Security, Fort Pickett. Users are invited to send comments and suggested changes to NGVA-MTC, ATTN: NGVA-MTC-OTB.

OFFICIAL:

DANIEL E. LONG, JR.
MAJOR GENERAL, VaARNG
The Adjutant General

WILLIAM L. KORSEN
LTC, AR
COMMANDING

DISTRIBUTION:
A

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APPENDIX A

DESCRIPTION OF TRAINING FACILITIES

RANGE PHONE #	DESCRIPTION	LOCATION	AUTHORIZED WPNS/AMMO	RESTRICTIONS/REMARKS
2 X-2823	25 METER 50 FIRING POINTS	393018	5.56MM AND BELOW	M16/M4 zero range (usually paired with R6 for qual)
3 X-2772	FIVE FIRING POINTS WITH FOXHOLES AND LOG WALLS	394019	LAW(SVC , SUBCAL), M203 40MM HE, AT-4 (SVC , SUBCAL)	Road Guards must be posted on Trimble Rd outside of back blast area
4B	DEMO BREACHING RANGE	399027	BREACHING CHARGE	Entrance gate must be locked or manned during training
4Z	100 METERS 16 FIRING POINTS	399027	5.56MM AND BELOW 7.62MM SNIPER	
5 X-2774	AUTOMATED CPQC W/POP UP TARGETS 15 FIRING POINTS	403031	9MM	Computer scored pistol qualification range
6 X-2833	AUTOMATED RECORD FIRE 16 FIRING POINTS	401036	5.56MM	Computer scored M16/M4 qualification range
7 x-2757	AUTOMATED RECORD FIRE 16 FIRING POINTS	400047	5.56MM	Computer scored M16/M4 qualification range
8 X-2858	200 METER FAMILIARIZATION FIRE/ZERO RANGE	399051	7.62MM AND BELOW	
9 X-2856	25 METER 100 FIRING POINTS	401055	5.56MM AND BELOW	M16/M4 zero range (usually paired with R7 for qual)
10 X-2854	EST 2000 MINE CLEARING TRAINING PIT	401063		EST may require unit provide an operator if no Pickett operator is available
11 X-8150	1000 YDS KD RANGE W/ LOMAH	405066	.50 CAL SNIPER AND BELOW	No movement down range beyond the 800 yard line is allowed when range 9 is firing

APPENDIX A

DESCRIPTION OF TRAINING FACILITIES

RANGE PHONE #	DESCRIPTION	LOCATION	AUTHORIZED WPNS/AMMO	RESTRICTIONS/REMARKS
12 X-8154	AUTOMATED MULT-PURPOSE MACHINE GUN QUALIFICATION RANGE	427064	.50 CAL/MK19 TP	Computer scored qualification range, Direct coordination required
13 X-8155	MK19 TP/.50 CAL FAM FIRE	435065	.50 CAL AND BELOW	NO MK19 HE ALLOWED ANYWHERE ON FT PICKETT
14 X-2850	25 METER 12 FIRING POINTS FIXED MCOFT PAD W/POWER	438066	5.56MM	Can be used as alternate 5.56MM zero range
15 X-2851	MULTI-PURPOSE RANGE COMPLEX TTV-TTXII/HELO DOOR GNRY/GUNNERY TABLES	421066	120MM AND BELOW	Main gun cannot be fire with more than 5° super-elevation. No main gun firing 0900-1200 on Sunday or 0001-2400 on Easter, Requires direct coordination
16 X-2853	TANK ZERO & SCREEN RANGE, .50 CAL AND BELOW SNIPER MANEUVER RANGE	459059	.50 CAL AND BELOW/120MM TPT, TPDS, 105MM TPT, TPDS-T	No movement is allowed down range beyond the first moving target when range 15 is firing. No main gun firing 0900-1200 on Sunday or 0001-2400 on Easter
17/17P X-2766	M203 QUALIFICATION RANGE W/ 2 MOVERS	462051	M203 TP ONLY	R17P is a practice HG range.
17HG	HAND GRENADE/M18AI CLAYMORE MINE	462048	PRACTICE OR LIVE GRENADES CLAYMORES	All duds must be reported to Range Operations immediately
18 X-2960	M240, M249, M16M, M4 ZERO RANGE/Advanced Marksmanship Range	467037	7.62MM AND BELOW	
18NS	LIVE FIRE VILLAGE	467037	5.56MM AND BELOW	Requires Direct Coordination
19 X-2951	MG TRANSITION/QUALIFICATION RANGE WITH 5 FIRING LANES, POP UP TARGETS	468027	7.62MM AND BELOW .50 CAL SNIPER	Target positions to emplace additional targets/computer scored
20 X-2959	FAMILIARIZATION FIRE	466016	7.62MM AND BELOW	Closed when Longstreet is hot

APPENDIX A

DESCRIPTION OF TRAINING FACILITIES

RANGE PHONE #	DESCRIPTION	LOCATION	AUTHORIZED WPNS/AMMO	RESTRICTIONS/REMARKS
IPBC X-2614	300 ACRE INFANTRY PLATOON BATTLE COURSE	437969	.50CAL AND BELOW/25MM/ 40MM TP	Requires direct coordination
MOUT X-2437	16 BLDG COMPLEX WITH SINGLE AND MULTIPLE STORY BLDGS USED TO TRAINING PLATOON AND SQUADS IN FIGHTING IN URBAN TERRAIN	395025	BLANKS/SMOKE GRENADES/BOOBY TRAPS	Can be used in conjunction with UAC for 7.62MM sniper shot. Requires direct coordination
UAC X-5576	4 STATION LIVE FIRE COMPLEX DESIGNED TO TRAIN THE INDIVIDUAL SOLDIER AND TEAMS TO FIGHT IN URBAN TERRAIN.	398023	5.56MM AND BELOW	Requires direct coordination
SHOOT HOUSE	LIVE FIRE SHOOTHOUSE	399027	5.56MM AND BELOW	Requires direct coordination
LONG STREET CONVOY LIVE FIRE	LIVE FIRE CONVOY RANGE		7.62MM AND BELOW	Requires direct coordination
OP3	NON-STANDARD LIVE FIRE/TOW FIRE/MORTAR POINTS/ARTILLERY DIRECT FIRE/FO		TOW/MORTAR/ART Y/.50 CAL AND BELOW	
OP4	NON-STANDARD LIVE FIRE/TOW FIRE/MORTAR POINTS/FO		TOW/MORTAR/.50 CAL AND BELOW	
OP6 X-2820	NON-STANDARD LIVE FIRE/TOW FIRE/MORTAR POINTS/FO	467001	TOW/MORTAR/.50 CAL AND BELOW	
MA46 DEMO	DEMO CHARGES UP TO 40 LBS NO STEEL CUTTING		DEMO	Demo Recon Sheet required, Requires direct coordination,
HELO DOOR GNRY	MA32, 33 R15 MPRC		2.75 ROCKETS AND BELOW	R15 Limited to .50 CAL AND BELOW Requires direct coordination
JIEDO	7.2 MILE IED DETECTION LANE WITH MULTIPLE VILLAGES AND TRAINING SITES		BLANKS/TRAINING ROUNDS	Training Aids are available from TSC

APPENDIX A

ADDITIONAL TRAINING FACILITIES

52 Artillery Firing Points

Numerous Mortar Firing Positions

8 Training Villages

Numerous UAS/UGV launch sites

Engineer Training Site

3 Land Navigation Sites – LANAV South (self correcting), LANAV North, LANAV EIB

Leadership Reactionary Course

Air Assault Obstacle Course

Air Assault Rappel Tower

Confidence Course

Expert Infantry Badge Site

Forward Operation Base (FOB)

Engineer Bridge Site

NBC Chamber

Hand to Hand Pit

Pugil Pit

HEAT - High-Mobility Multipurpose Vehicle (HMMWV) Egress Assistance Trainer

MRAP - Mine-Resistant Ambush-Protected Egress Trainer

EST 2000

VCOT - Virtual Combat Operations Trainer

VICE - Virtual Interactive Combat Environment Trainer

CFF – Call for Fire

30, 000 Acres of Maneuver Area

4 designated and surveyed Drop Zones

Many Helicopter Landing Zones

Blackstone Army Airfield

APPENDIX B

INDIRECT FIRING POINT LOCATIONS WGS-84 DATUM

The following is a list of all 75 firing areas, their grid coordinates, and elevation. Those firing points with an asterisk (*) have a blue survey marker. Firing points in Areas 20-33 are designed primarily as mortar positions.

LINE #	FP	COORDINATES	ELEVATION
1	11A**	39201180	120 M
2	11B**	39861204	126 M
3	11C**	38341149	130 M
4	11D**	37601071	132 M
5	11E**	38591056	122 M
6	11F**	39660991	116 M
7	13A	43440851	110 M
8	13B	42200894	107 M
9	13C	42151014	116 M
10	14A**	40981152	116 M
11	14B	43921087	106 M
12	14C	44320884	113 M
13	14E**	41271124	123 M
14	14F	42360984	110 M
15	14G	44760728	113 M
16	14H	43840911	112 M
17	14I	42920952	112 M
18	20A	39940537	111 M
19	20B	39920489	106 M
20	20C	40110576	118 M
21	22A	42600670	94 M
22	23A	43730676	97 M
23	23B	45950636	110 M
24	23C	46210567	109 M
25	23D	46030612	108 M
26	32A	43469917	92 M
27	32B	44349932	94 M
28	33A	46609952	86 M
29	33B	46739999	93 M
30	33D	46779956	86 M
31	33E	46510035	85 M
32	41A	37530192	110 M
33	41B	37780165	110 M
34	41C*	37710148	104 M
35	42A*	36160100	114 M
36	43A	36260074	107 M
37	43B	36590037	106 M
38	43C*	36700016	107 M

LINE #	FP	COORDINATES	ELEVATION
39	43D*	36799995	104 M
40	43E	37109981	99 M
41	43F	36470053	108 M
42	44A*	37859947	88 M
43	44B	37879963	91 M
44	45A*	36409885	107 M
45	45B*	36399875	106 M
46	45C*	36529856	107 M
47	45D*	38169818	93 M
48	46A	39080011	105 M
49	46B	39340104	109 M
50	46C	39620000	92 M
51	46D	39610032	100 M
52	47A	40199857	100 M
53	47C	41509972	104 M
54	48A	44009872	97 M
55	48B	45569832	89 M
56	48C	45689841	82 M
57	48D	46089817	77 M
58	48F*	46249806	72 M
59	50A*	36559666	102 M
60	50B*	36629652	104 M
61	50C*	36439588	111 M
62	51A*	37059577	110 M
63	51B*	37129593	109 M
64	51C*	37549643	102 M
65	51D*	37569594	103 M
66	52A*	39489638	97 M
67	52B*	39369596	97 M
68	53A*	41449565	104 M
69	53B	41579564	105 M
70	53C*	42439652	100 M
71	54A*	44329504	100 M
72	54B	45569559	100 M
73	54C*	44219506	99 M
74	54D*	44449676	70 M
75	54E*	44479528	102 M

**** Addendum - NO LIVE FIRE ALLOWED FROM FIRING POINTS 11A-F, 14A or 14E ****
Coordinates are WGS-84

APPENDIX C

1. The Barrier System is numbered to describe the approximate location of a barrier by the number assigned. The following examples explain the meaning of the barrier numbers:

	Number	Meaning
Example 1	PB3	Permanent barrier number three
Example 2	LB1	Lake barrier number one on Lake Rd, vic entrance to Range 5
Example 3	B30E	Barrier E in Training Area 30
Example 4	B32A	Barrier A in Training Area 32

2. The barrier system numbers and locations are as follows:

<u>NUMBER</u>	<u>GRID</u>	<u>LOCATION</u>
LB1	405031	West Entrance to Lake Rd
LB2	468019	East Entrance to Lake Rd
LB3	410028	Lake Road east of Range 4 Demo entrance
LB4	469023	Lake Road & RT 613
PB1	416024	Vic spillway Birchin Lake
PB2	433021	North end of Pelham Rd
PB3	441021	North end of Pendleton Rd
PB4	449023	South of Lake Rd at Shacks Hole Rd intersection
PB5	456022	At Tommeheton Lake on Lake Rd
PB6	454987	North of Wilcox Rd on Shacks Hold Rd in TA 32
PB7	435997	Pendleton Rd & Wilcox
PB8	426996	Pelham Rd inside PB9
PB9	421994	Pelham Rd & Wilcox
PB10	464050	North of Rg 16 Return Rd & Rg 17
PB11	409027	Lake Rd, Entrance to 4 demo
PB12	395038	South end of Course Rd
PB13	408055	South of Rg 11 on Course Rd
PB14	409061	North end of Cherry Tree Rd at Course Rd
PB15	407067	South of Butterwood Rd on Cherry Tree Rd
PB16	413068	South of Butterwood on Course Rd
PB19	432049	Behind far moving target on Rg 13
B20A	397051	Entrance to Rg 7
B20B	398052	Entrance to Rg 8
B20D	400057	Entrance to Rg 9
B22A	400063	Entrance to Rg 10
		Entrance to Rg 10 East
B22B	403064	Entrance to Rg 11
B22C	426065	Entrance to Rg 12
B23A	436068	Entrance to Rg 13
B23C	434066	Entrance to Rg 13
B23D	439066	West entrance to Rg 14
B23E	441066	North entrance to Rg 14
B23F	445065	West of Rg 15, Target Rd & Butterwood Rd
B23H	450066	Main entrance to Rg 15
B23J	460059	Entrance to Rg 16
B23K	461053	Rg 16 Return Rd
B23L	463053	Entrance to Rg 17
B23M	468036	Entrance to Rg 18
		Rg 18 Nonstandard
	462048	Entrance to Rg 17 HG

APPENDIX C

B23N	469028	Entrance to Rg 19
B30A	397033	Entrance to Rg 6
B30B	398031	Entrance to Rg 4B
		Rg 4B Power Line
B30C	403031	Entrance to Rg 5
		MOUT Shanty Town – 2 Entrances
B30D	394023	Entrance to MOUT facility
		UAC Extended Entrance
B30E	394020	Entrance to Rg 3
B30F	392018	Entrance to Rg 2
B30G	391014	West end of Wilcox Rd
B30H	394013	Entrance to Rg 1
B32A	433989	Entrance to OP 2
B32C	421994	East of PB9 on Wilcox Rd
B32D	454986	On Wilcox Rd west of Shacks Hole Rd
B33A	468991	East end of Reservation Rd
B33B	467997	Entrance to OP 5
		Entrance to OP4
B33C	468001	Entrance to OP 6
B33D	467016	Entrance to Rg 20
B44A	381992	East of Old Oak Rd on Gettysburg Rd
B46A	389015	North end of Rg Rd vic of the Burn Pit
B46D	394011	Between Rg 1 and Range Rd WCLFX Staging Area
B46C	413996	East of Pine Rd on Wilcox Rd
B46D	394013	Entrance Wilcox Live Fire
B47A	402984	South end of Pine Rd, Gettysburg Rd
B47B	403983	East of Range Rd on Gettysburg Rd
B47C	397974	North of Nottoway River on Range Rd
B48B	455985	South of Wilcox Rd on Shacks Hole Rd
B48C		South of Wilcox on Longstreet
B53A	427964	On Tower vic of FP 53c
B53B		On Longstreet Vic Rg Rd
B54A	443963	On Pendleton Rd, North of Longstreet
B55A	464964	Shacks Hole Rd, North of Longstreet
B55B		South of Old Ford Site on Longstreet
B55C		Longstreet & 613
		Shackshole Rd
		Shackshole Rd
		Shackshole Rd
CT1		Cherrytree & Lake

APPENDIX E

*****EXAMPLE*****
DEPARTMENT OF THE ARMY
B CO 1-67 IN BN
FORT LEE, VA 23801

AGGL-IN

29 Oct 2002

MEMORANDUM FOR: Commander, Army National Guard Maneuver Training Center, Fort Pickett, ATTN: DPTS Range Scheduling Office, Blackstone, VA 23824-9000

SUBJECT: Certification of Officer in Charge/Safety Officer (OIC/SO)

1. The following personnel assigned or attached to this unit are certified to perform the duties of an OIC/SO on training facilities at Fort Pickett:

NAME	GRADE	LAST FOUR	OIC	SO
DAVIDSON, Donald L.	03	4831	X	X
JOHNSON, Harry P.	E7	8612	X	X
HENRY, David J.	E6	9481		X

2. The personnel named above meet the requirements outlined in AR 385-63 and Fort Pickett Regulation 350-1 and 350-2. They have also completed a written examination which evaluates their knowledge of these regulations.
3. All officers understand that they must have received the range safety briefing within the last twelve months in order for this certification to be valid.

Signature Block
(usually the first field grade Commander
In the chain of command O-4 or above)

*****EXAMPLE*****

APPENDIX F
OIC/SO MINIMUM RANK REQUIREMENT

<u>TYPE FACILITY/EXERCISE</u>	<u>OIC</u>	<u>SO</u>	<u>MEDIC</u>
Small Arms and Machine Gun	OFF/WO/E7	OFF/WO/E6	YES
Practice Hand/Rifle Grenades	OFF/WO/E7	OFF/WO/E6	YES
Sub-caliber Training Devices	OFF/WO/E7	OFF/WO/E6	YES
Laser	OFF/WO/E7	OFF/WO/E6	YES
Chemical Agents & Smoke	OFF/WO/NCO ¹	OFF/WO/NCO ¹	YES
Hand/Rifle Grenades	OFF/WO/E7	OFF/WO/E6	YES
Hand Grenade Qualification	OFF/WO/E7	OFF/WO/E6	YES
Rockets	OFF/WO/E7	OFF/WO/E6	YES
Recoilless Weapons	OFF/WO/E7	OFF/WO/E6	YES
UAC (MOUT Assault Course)	OFF/WO/E7	OFF/WO/E6	YES
Tank/Armored Vehicle	OFF/WO/E7	OFF/WO/E6	YES
<u>Mortars</u>			
On Mortar Firing Position	OFF/WO/E7	OFF/WO/E6	YES
<u>Artillery PA, FP</u>			
"COLD" Status	OFF/WO/E7	NONE	NO
"HOT" Status	OFF	OFF/WO/E6	YES
Aerial Gunnery	OFF/WO/E7	OFF/WO/E6	YES
Air Defense	OFF/WO/E7	OFF/WO/E6	YES
Firing Devices, Simulators and Trip Flares	OFF/WO/E7	OFF/WO/E6	NO
HEAT/MRAP Rollover	OFF/WO/E7	OFF/WO/E6	YES
Mines and <u>Demolitions</u>	OFF/WO/E7	OFF/WO/E6	YES
<u>Combined Arms Live Fire Exercises</u>			
Company Level	OFF/WO/E7	OFF/WO/E6	YES
Platoon Level	OFF/WO/E7	OFF/WO/E6	YES
Battalion Level	OFF ²	OFF	

APPENDIX F**OIC/SO MINIMUM RANK REQUIREMENT**

<u>TYPE FACILITY/EXERCISE</u>	<u>OIC</u>	<u>SO</u>	<u>MEDIC</u>
Training Areas	OFF/WO/E6	NONE	YES
TOW Tracking Ranges	OFF/WO/E6	NONE	NO
MOUT (Sniper Shot)	OFF/WO/E7	OFF/WO/E6	YES
UAC Site	OFF/WO/E7	OFF/WO/E6	YES
MOUT	OFF/WO/E7	NONE	YES
Swim Site	OFF/WO/E7	OFF/WO/NCO	YES
OP Bunker	OFF/WO/E5	NONE	NO
Gas Chamber	OFF/WO/NCO ¹	NONE	YES
Decon Site	OFF/WO/NCO	NONE	YES
Leadership Reaction Course	OFF/WO/NCO	NONE	YES
Rappel Tower	OFF/WO/E6 ³	NONE	YES
Bayonet Assault Course	OFF/WO/E6	NONE	YES
P.O.W. Complex	OFF/WO/E6	NONE	YES
Engineer Training Area	OFF/WO/E6	NONE	YES
Land Navigation Course	OFF/WO/E6	NONE	YES
EIB/EFMB Course	OFF/WO/E6	NONE	YES

1 Must be NBC qualified IAW FM 21-48.

2 Field Grade.

3. Must have current Rappel Master

APPENDIX G

ARMY NATIONAL GUARD MANEUVER TRAINING CENTER
FORT PICKETT
BLACKSTONE, VIRGINIA 23824-9000

NGVA-MTC-OTB

27 July 2010

MEMORANDUM FOR Training units

SUBJECT: Situation Report (SITREP)

1. Units training at MTC Fort Pickett are required to submit Situation Reports (SITREPS) to Range Operations at 0830 hours daily.
2. Situation Reports are submitted in person. Telephone (8334/2227), FAX (8046) and email are exceptions to policy authorizations.
3. Lines 2, 3, 5, and 6 are for the next 24 hours. Line 4 is for the previous 24 hours.
 - a. Line 1: Unit designation, i.e. A Co 1/183rd INF, phone number at Fort Pickett.
 - b. Line 2: Total number of personnel on Fort Pickett both in the field and in garrison.
 - c. Line 3: Unit location(s) / training objective(s), provide 8 digit grid coordinates of TOC, TRAINS, and maneuvering or stationary elements with training objective for each location. i.e. movement to contact, weapons qualification, defend, maintenance, etc.
 - d. Line 4: Accidents or injuries (list all that have occurred). Circle answer. Has Training Accident Report (TAR), MTC Fort Pickett Regulation 350-2, Appendix L been submitted? Circle answer. **NOTE: Units must report each accident or injury to Range Operations as soon as possible after it occurs. A SITREP is NOT a substitute for a TAR.**
 - e. Line 5: Provide 8 digit grid to motor pool location and refuel location. List vehicles, location/nomenclature, number of each. Samples have been provided for the most common vehicles. e.g. M998 HMMWV, MA43, 8 each M198 Howitzer (T), MA43, 4 each.
 - f. Line 6: Has unit Commander completed a Risk Assessment for the training that will be conducted? Circle answer.

MICHAEL L. HARMON
Range Officer
Fort Pickett, Virginia

DAILY UNIT SITREP

DATE: _____

LINE 1: UNIT: _____ BLDG: _____ LOCAL PHONE: _____

LINE 2: TOTAL NUMBER OF PERSONNEL ON POST: _____

LINE 3: UNIT LOCATION / TRAINING OBJECTIVE

LINE 4: ACCIDENTS / INJURIES REPORTED? YES NO N/A

TRAINING ACCIDENT REPORT (TAR) SUBMITTED? YES NO N/A

DETAILS: _____

This does not replace a TAR

LINE 5: VEHICLES:

MOTOR POOL / REFUEL LOCATION(S) _____

VEHICLE	QUAN.	LOCATION	VEHICLE	QUAN.	LOCATION
M998 Series HMMWV			M113 Series Track		
M35 Series 2.5 Ton			M577 Series Track		
FMTV Series			M1 Series Battle Tank		
M923 Series 5 Ton			M88 Series Rec. Veh.		
M1075 Series PLS			M109 Series SP Arty		
M977 Series HEMETT			M198 Howitzer, T		
M1008 Series CUCV			GSA Vehicle		
M102 Howitzer (T)			Trailer		

LINE 6: RISK ASSESSMENT YES NO Working

APPENDIX H

**ARMY NATIONAL GUARD MANEUVER TRAINING CENTER
RANGE OPERATIONS, FT. PICKETT VIRGINIA**

DIRECT FIRE OPEN/CLOSE_____

DATE_____

OPEN/HOT TIME_____INITIALS_____

CLOSED/COLD TIME_____INITIALS_____

1. RANGE/OP#_____

OP'S OR NON-STANDARD RANGES ONLY

2. UNIT_____

LL MAG AZ _____

3. NAME, RANK, LAST 4 S.S. #OIC _____

RL MAG AZ _____

4. NAME, RANK, LAST 4 S.S. #S/O _____

5. DAILY RANGE BULLETIN # _____

6. MEDIC, AIR BAG, LITTER, DEDICATED LITTER BEARING VEHICLE WITH DRIVER (OTHER THAN DUTY MEDIC) ON SITE: YES

7. WEAPON(S) AND AMMO to be fired by DODIC # and QUANTITY

WEAPON _____, _____ MM/CAL, DODIC# _____, QUANTITY _____

WEAPON _____, _____ MM/CAL, DODIC# _____, QUANTITY _____

WEAPON _____, _____ MM/CAL, DODIC# _____, QUANTITY _____

WEAPON _____, _____ MM/CAL, DODIC# _____, QUANTITY _____

WEAPON _____, _____ MM/CAL, DODIC# _____, QUANTITY _____

WEAPON _____, _____ MM/CAL, DODIC# _____, QUANTITY _____

WEAPON _____, _____ MM/CAL, DODIC# _____, QUANTITY _____

8. NUMBER of PERSONNEL ON RANGE (TOTAL) _____

9. ARE ROAD GUARDS POSTED WITH COMMO TO THE TOWER? (RNG'S 3, 4B, 4D, 16, 17HG) **YES** N/A10. INDIVIDUAL PROVIDING OPENING INFORMATION **OIC** **S/O**

11. ROUNDS FIRED: DODIC# _____ = _____, DODIC# _____ = _____

ROUNDS FIRED: DODIC# _____ = _____, DODIC# _____ = _____

ROUNDS FIRED: DODIC# _____ = _____, DODIC# _____ = _____

ROUNDS FIRED: DODIC# _____ = _____, DODIC# _____ = _____

ROUNDS FIRED: DODIC# _____ = _____, DODIC# _____ = _____

ROUNDS FIRED: DODIC# _____ = _____, DODIC# _____ = _____

12. NUMBER of DUDS by TYPE, DODIC, and LOCATION:

TYPE _____, DODIC _____, APPROX LOCATION _____

APPENDIX H

ARMY NATIONAL GUARD MANEUVER TRAINING CENTER
RANGE OPERATIONS, FORT PICKETT VIRGINIA

INDIRECT FIRE OPEN/CLOSE _____ **DATE** _____

OPEN/HOT TIME _____ **INITIALS** _____ **CLOSE/COLD TIME** _____ **INT** _____

1. **FIRING POINT/POC GRID** _____

2. **UNIT** _____

3. **NAME,RANK,LAST 4 S.S.# OIC** _____

4. **NAME,RANK,LAST 4 S.S.# SO** _____

5. **DAILY RANGE BULLETIN #** _____

6. **MEDIC, AID BAG,LITTER,DEDICATED LITTER BEARING VEHICLE AND DRIVER ON SITE?** YES POC

7. **ARE ROAD GUARDS POSTED WITH COMMO?** YES. NO. N/A.

8. **NUMBER of PERSONNEL on FIRING POINT.** _____

9. **TYPE of WEAPON FIRED.** _____

10. **SAFETY CARD DATA** _____ **M109A6**

a. **LEFT** _____

b. **RIGHT** _____

c. **MIN QE** _____ c. _____

d. **AZIMUTH OF FIRE** _____ d. _____

e. **MAX. ORDINATE, High Angle** _____ e. _____

11. **AMMUNITION: TYPE** _____ **DODIC** _____ **QTY** _____ **TYPE** _____ **DODIC** _____ **QTY** _____

_____ **TYPE** _____ **DODIC** _____ **QTY** _____ **TYPE** _____ **DODIC** _____ **QTY** _____

FUSE: TYPE _____ **QTY** _____ **TYPE** _____ **QTY** _____

_____ **TYPE** _____ **QTY** _____ **TYPE** _____ **QTY** _____

12. **INDIVIDUAL PROVIDING OPENING INFORMATION.** OIC SO

13. **NUMBER OF ROUNDS FIRED.** DODIC _____ QTY _____ DODIC _____ QTY _____

_____ DODIC _____ QTY _____ DODIC _____ QTY _____

14. **NUMBER OF UNOBSERVED ROUNDS (shell/fuse)** _____ = _____ / _____ = _____ / _____

15. **NUMBER OF DUDS (shell/fuse)** _____ = _____ / _____ **Lot#** _____

_____ = _____ / _____ **Lot#** _____

16. **APPROXIMATE LOCATION of DUDS.** _____

APPENDIX I-1**DIRECT FIRE SAFETY INSPECTION**

1. I have inspected range/firing point _____ at _____ (hours).
 - _____ a. Range OIC present?
 - _____ b. Range safety officer present? (Safety Certified E6 or above)
 - _____ c. Do tanks not on firing line have LRF doors closed? (Only exception: authorized maintenance).
 - _____ d. Is smoking being allowed in vicinity of ammo issue point?
 - _____ e. Is road guard posted and performing duties on Range 17HG, 3 and Range 16 return road?
 - _____ f. Is medic with standard aid-bag and dedicated litter-bearing vehicle present? Does vehicle driver (cannot be duty Medic) have strip map and know route to medical facilities?
 - _____ g. Is range flag up and range packet present?
 - _____ h. Do all personnel have and are they using hearing protection?
 - _____ i. If unit is using rods for weapons clearance, are they solid rods?
 - _____ j. Is proper publication (usually FM or TM) present for the weapons systems and courses being fired?
 - _____ k. Are all weapons/weapon systems oriented up and down range?
 - _____ l. Are ground guides being used for tracked vehicles in areas other than firing line?
 - _____ m. Is SO or a safety certified representative clearing each individual weapon system upon completion of firing?
 - _____ n. Are back blast areas being observed for anti tank weapons?
2. The above listed items will be inspected "S" Satisfactory/"U" Unsatisfactory.
3. OIC notified of deficiencies? ___Yes ___No deficiencies.
4. Deficiencies noted will require unit to check-fire until the Range Duty Officer is notified for appropriate action.
5. All items are cause for immediate decertification.
6. This inspection form will be filed with current duty log.

UNIT:

(SIGNATURE)

OIC/SO

GRADE

(SIGNATURE)

INSPECTOR

GRADE

APPENDIX I-2

ARTILLERY/MORTAR FIRING POINT SAFETY CHECKLIST

1. FP Number _____ Unit _____ OIC _____
2. Following items were inspected "S" Satisfactory/"U" Unsatisfactory.
 - ___a. OIC present (if hot)?
 - ___b. SO present (if hot)?
 - ___c. Required reg (i.e., 350-2, weapon TMs) available?
 - ___d. Medic (MOS qualified) with litter-bearing vehicle present?
(medic at POC or Gun Location for M109 A6)
 - ___e. Personnel using hearing protection?
 - ___f. Approved safety overlay posted to firing chart?
 - ___g. Safety "T" at each howitzer? (Degraded mode/Mi09A6)
 - ___h. Howitzers safety tape or stakes present? (Degraded mode/M109A6)
 - ___i. Powder pits dug/utilized? (N/A for M109A6)
 - ___j. Ammunition stored properly?
 - ___k. Aiming circle and safety circle utilized and declinated? (Degraded mode/M109A6)
 - ___l. If firing, has unit reported first round observed safe to Range Operations?
 - ___m. Has unit posted road guards with commo to FDC, if required? (N/A for M109A6)
 - ___n. Is FDC/POC maintaining record of fire on DA Form 4504?
(kept at POC for M109A6 Degraded mode)
 - ___o. Is each Howitzer maintaining a record of fire on DA Form 4513?
 - ___p. Howitzer location chart utilized (M109A6 only)?
 - ___q. Loading elevation is Minimum Quadrant?
3. OIC notified of deficiencies? ___Yes ___No
4. Deficiencies noted will require unit to check fire until the Range Duty Officer is notified for appropriate action.
5. This inspection form will be filed with current duty log.

(SIGNATURE)_____
OIC/SO_____
(Grade)_____
(INSPECTOR)_____
(GRADE)_____
DATE_____
TIME

APPENDIX J**RANGE/TRAINING AREA CLEARANCE CHECKLIST**

RANGE/TRAINING AREA _____ UNIT _____ DATE _____

Yes No N/A

ALL AREAS

1. All trash, garbage, ammunition residue, and unserviceable target materials cleared from area.
2. All latrines, bunkers, and buildings closed.
3. All commo and concertina wire has been removed from area.
4. All access roads, mess areas, parking areas, bivouac areas and concurrent training areas have been policed.
5. All maintenance repairs within the capacity of the using unit have been accomplished and damage done by the using unit which cannot be repaired by the unit, has been called in to Range Operations Center
6. All accident reports have been submitted.

Yes No N/A

ALL TRAINING AREAS

7. All fighting positions/bunkers have been filled without the use of trash, sticks, and/or logs.
8. All pyrotechnics, booby traps, trip flares, etc. have been removed.
9. All latrines in the area are clean and damage has been reported.

Yes No N/A

ALL RANGES

10. All targets and equipment are properly stored and secured and the pop-up targets are in the up position.
11. Fighting positions, on ranges with them are policed on outside AND inside, covers are off of ALL fighting positions, (whether unit has used the position or not), and personnel are standing by for inspection. (Once positions is inspected, cover will be placed back on and it will be aligned.)
12. All power switches are in the off position.
13. All ammunition accessories, misfires and/or components have been cleared from the range and turned into the ASP, to include old ammunition and accessories if on site.
14. All duds have been reported to Range Operations.
15. All range fan markers and signs are present and in good repair.
16. Tank range has been dragged, or DPW notified to drag.
17. Moving target cars stored to SOP.

APPENDIX K

REPORT OF ROUNDS LANDING OUT OF IMPACT

TIME:

[illegible]

ARMY NATIONAL GUARD MANEUVER TRAINING CENTER FORT PICKETT**TRAINING ACCIDENT REPORT**

(This form must be filled out and turned in to Range Operations for any injury or accident that occurs while a unit is on Fort Pickett, regardless of whether an incident occurs downrange, in the cantonment area, or during off-duty hours.)

DATE/TIME OCCURRED _____ **DATE/TIME REPORTED** _____

LOCATION (GRID, RANGE #, BLDG #, ETC) _____

TYPE MEDICAL SUPPORT PRESENT: **MEDIC** _____ **COMBAT LIFESAVER** _____ **EMT** _____ **DR/PA** _____

Ground Vehicle on Site? **Yes** _____ **No** _____

INJURED PERSONNEL

	<u>NAME</u>	<u>RANK</u>	<u>AGE</u>	<u>SSN</u>	<u>UNIT</u>
1.	_____	_____	_____	_____	_____
2.	_____	_____	_____	_____	_____
3.	_____	_____	_____	_____	_____

UNIT CONTACT INFORMATION: **MUST BE COMPLETED ON BACK OF THIS SHEET**

MEDEVAC INFORMATION

INJURED TRANSPORTED BY: **UNIT** _____ **POST AMBULANCE** _____ **AIR EVAC** _____

IF AIR MEDEVAC: **TIME RG OPNS NOTIFIED CREW** _____

TIME AC LIFTED OFF PAD _____

TIME AC LANDED AT SITE _____

VEHICLE DEPARTED _____ **AT** _____ **FOR** _____

POST / SCENE _____ **(time)** _____ **(medical facility)** _____

(Circle one)

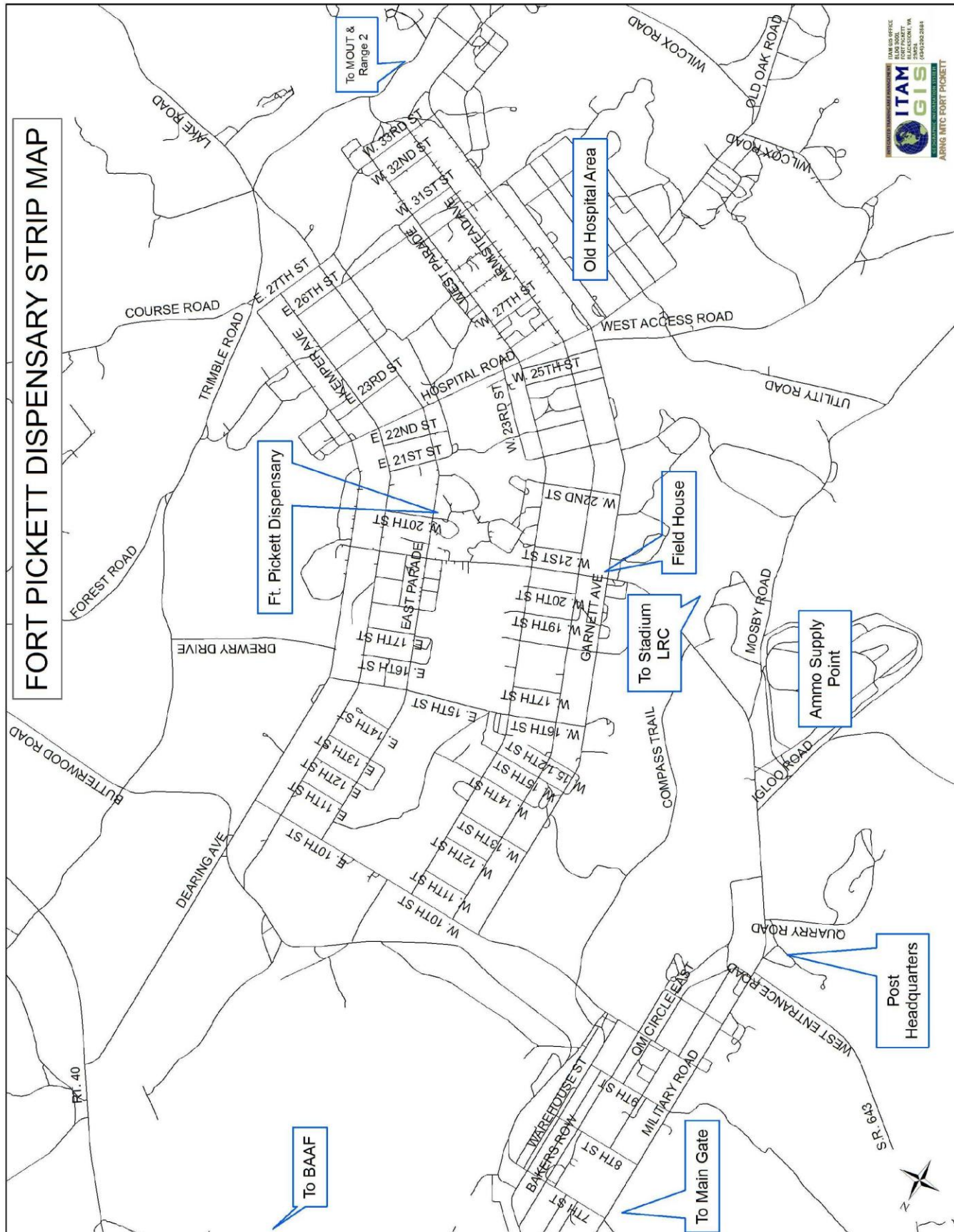
ETA TO MEDICAL FACILITY _____ **AC TAIL #, IF AIR MEDEVAC** _____

RECORD OF NOTIFICATION

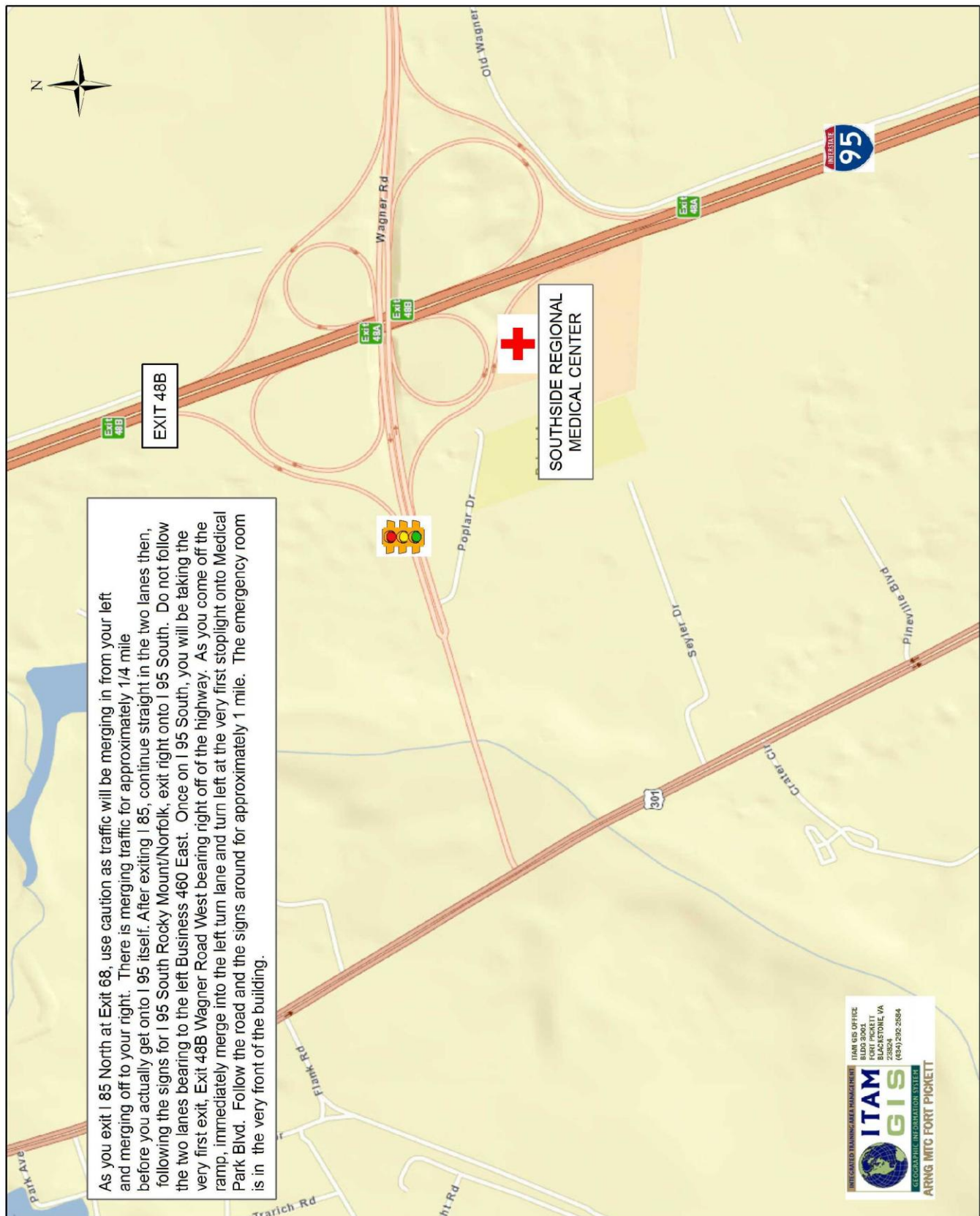
<u>NAME</u>	<u>PHONE</u>	<u>TIME NOTIFIED</u>
VA EMERG OPS CNTR (State Police Evac)	9-1-800-468-8892 or 9-1-804-674-2400	_____
<i>If VASP EVAC cannot respond, call UVA MEDEVAC (PEGASUS)</i>	9-1-800-552-1826 or 9-1-800-882-4354	_____
FIRE STATION	2217 or FIREBREAK	_____
FORT PICKETT TMC (when open)	8411 or 2528	_____
RANGE OFFICER	9-298-0198	_____
PROVOST MARSHAL	8444 or 8445	_____
POST SAFETY OFFICER	8390 or 804-706-6297 OR 804-479-6313	_____

[illegible]

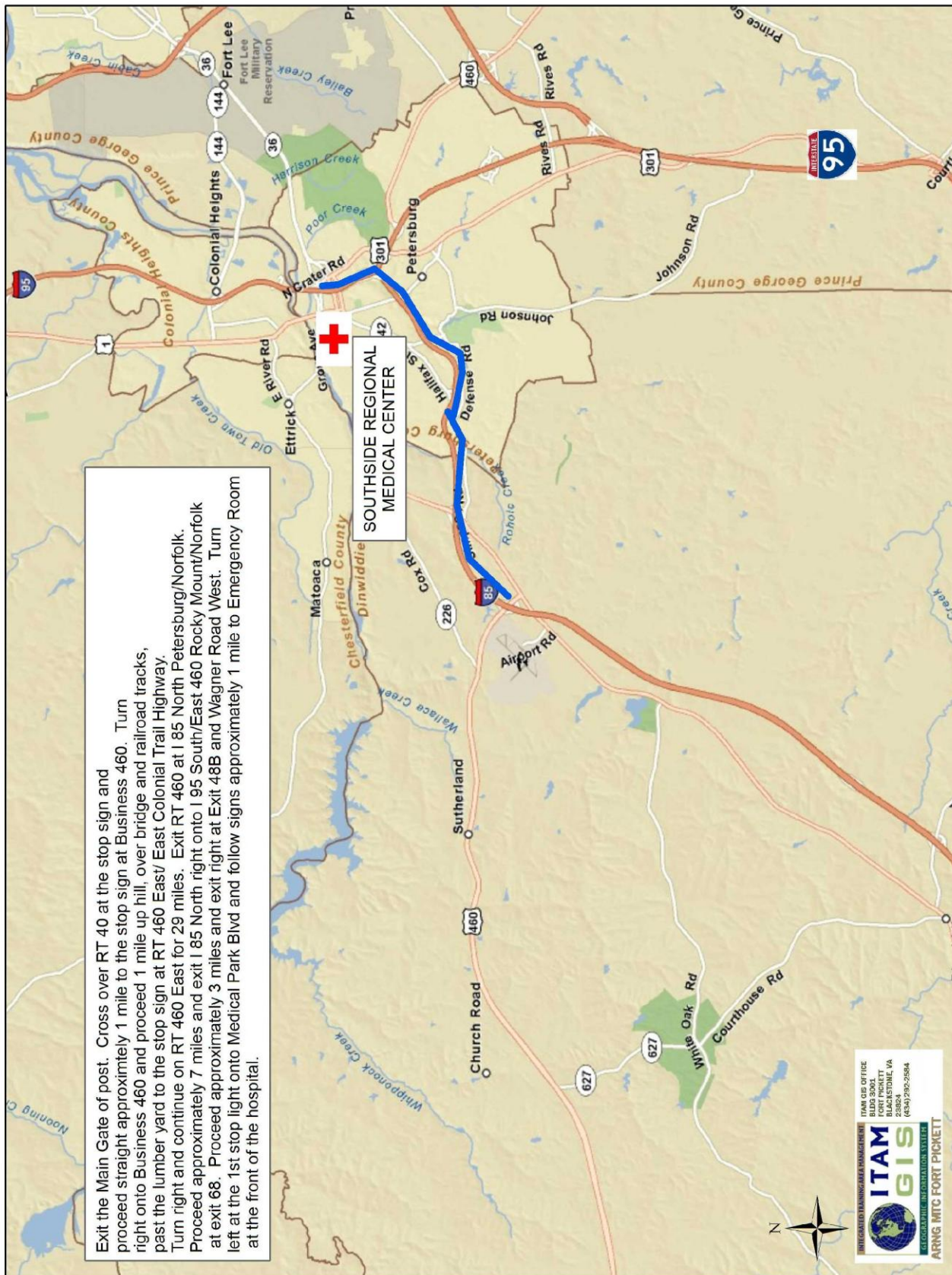
POC WITH KNOWLEDGE OF INCIDENT: _____

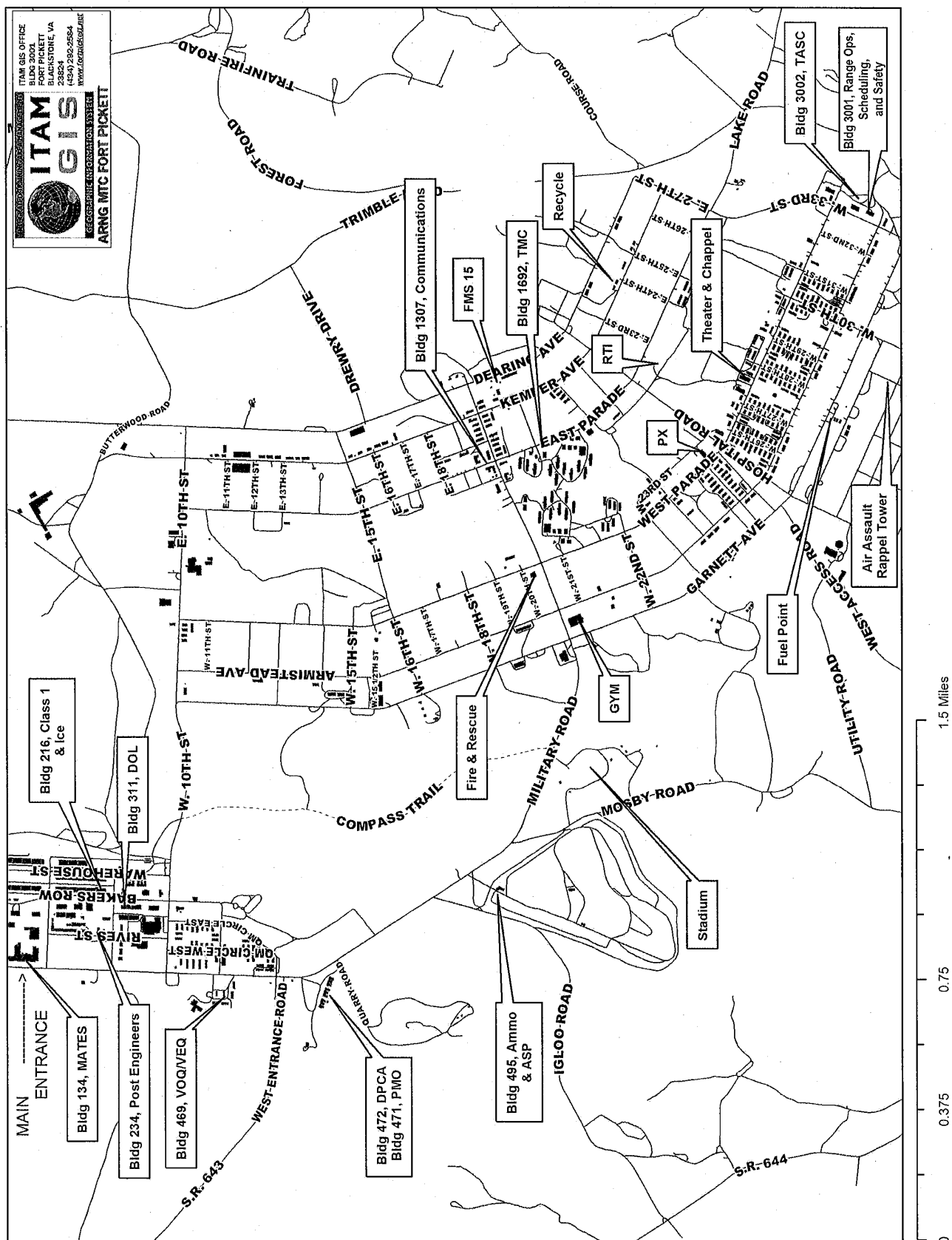
**APPENDIX M-1
TMC STRIP MAP**

APPENDIX M-2 MEDICAL STRIP



APPENDIX M-2 MEDICAL





APPENDIX O**INVENTORY OF TRAINING DEVICES AVAILABLE FOR LOAN AT FORT PICKETT TSC**

1. MILES: M16A2 SETS-INF (MODIFIED M16A1S)
2. MILES: SMALL ARMS ALIGNMENT FIXTURE
3. MILES CONTROLLER GUNS
4. MILES VEHICLE SYSTEM TEST SET (VSTS) M144
5. MILES: LASER TARGET INTERFACE DEVICE (LTID)
6. M-2 .50 CAL BLANK FIRING ADAPTER
7. ASSORTED INERT DUMMY MINES
8. M16A2 PLASTIC DUMMY RIFLES
9. TRAINING NURSING DOLL
10. M16A1 BRASS DEFLECTOR
11. PUGIL STICKS
12. SUITCASE SAGGER
13. RPG-7 DUMMY ANTITANK GRENADE LAUNCHER W/ ROUND
14. AK-47 ASSAULT DUMMY RIFLE
15. AT-4 TRACER BULLET TRAINER (TBT) M2
16. FIELD HANDLING DUMMY TRAINER
17. M16A2 RIFLE MOCKUP 2:1 SCALE
18. M-4 DUMMY RIFLES
19. ROTC SAFETY HELMETS
20. CCMCK M16/M4 CONVERSION KIT
21. UTM PROTECTIVE FACE MASK
22. VEST OTV UCP (IBA)
23. VEST OTV UCP (IBA) TRAINING PLATES SAPI
24. Dummy Sniper Rifle
25. Dummy 9MM Pistol

INVENTORY OF TADSS AVAILABLE AT FORT PICKETT TSC

1. 15-LANES OF ENGAGEMENT SKILL TRAINER 2000 (EST2000)
2. 12-STATIONS OF VIRTUAL CONVOY OPERATIONS TRAINER (VCOT)
3. 5-SETS OF LASER CONVOY COUNTER AMBUSH TRAINING SYSTEM (LCCATS)
4. 15-SETS OF LASER MARKSMANSHIP TRAINING SYSTEM (LMTS)
5. 10-SETS OF COUNTER REMOTE CONTROL IMPROVISED EXPLOSIVE DEVICE (RCIED)(CREW2)
6. 2-HMMWV EGRESS ASSISTANCE TRAINER (HEAT)
7. 2-CALL FOR FIRE TRAINERS (CFFT) ONE 1:12 AND ONE 1:4
8. 6-JAVELIN BASIC SKILLS TRAINER (BST)
9. 70-JAVELIN MISSILE SIMULATION ROUND (MSR)
10. 12-JAVELIN FIELD TACTICAL TRAINER (FTT)
11. SWEEP MONITORING SYSTEM (SMS)

APPENDIX P

REFERENCES

1. AR 358-62, w/C-1, Fire Guided Missiles and Heavy Rockets for Training, Target Practice and Combat.
2. AR385-63, Regulations for Firing Ammunition for Training, Target Practice and Combat.
3. AR 385-65, Identification of Inert Ammunition and Ammunition Components.
4. AR 190-11, Physical Security of Army, Ammunition and Explosives.
5. TM9-1300-206, Care, Handling, Preservation, and Destruction of Ammunition.
6. All TMs and FMs pertinent to the weapons and ammunition being used.
7. Fort Pickett Military Installation Map 1:50,000 Series V743S (1980).
8. Fort Pickett Regulation 350-1, Training, Policies, and Procedure.
9. Fort Pickett Regulation 210-4, Use and Assignment of Officer and Senior NCO Billets.